DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

Tungsten.

CONTROLLED DOCUMENT

DMA Docket No. 2081

DO NOT DETACH THIS SLIP

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This document has been recorded as

EXPLORATION LOAN

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

Routing Slip

To:	CODE 340 ~~Ferro Alloys Br.~~	Date	9-18-51
To:	P.E. Div.	Date	11/29/51
To:	Mr. Geehan	Date	12/10/51
To:	Code 400 Rm. 3538	Date	1-4-52
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CONTROLLED DOCUMENT

INT.-DUP. SEC., WASH., D.C. 98868

Mr. J. T. Taylor
Baker, Oregon

Re: Docket No. DMA 2091 - Tungsten
Cliff Gold - Tungsten Mine
Baker County, Oregon

Dear Mr. Taylor:

Your application for Government aid for an exploration project in the amount of $4,500.00, and additional available data concerning the subject mine, has been reviewed by the Iron and Ferro-Alloy Division.

The data, while noting the presence of scheelite in narrow veinlets or stringers, indicate that, geologically, there is little probability of making a significant mineral discovery.

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

We wish to thank you for your interest and effort in the Defense Minerals Program.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

CCSelfridge'lm
1/7/52

cc: Adm. Reading File
Mails and Files Br.
C. O. Mittendorf
R. W. Geehan, USBM
D. H. Lemmon, USGS
Field Team Reg. II
Docket
S. C. Selfridge

DMA-2091
Tungsten
Region II

J. T. TAYLOR AND ALMA WILLIAMS, BAKER, OREGON. CLIFF Gold-Tungsten
Mine, Baker County, Oregon. $4,500 requested.
Denial of application. Referred back to Commodity Group.

January 7, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

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

Subject: Denial of exploration project in the amount of $4,500.00
Docket No. DMA 2081 - Tungsten
Cliff Gold - Tungsten Mine
Baker County, Oregon

The subject application was denied for the following reasons:

1. The vein filling is confined to a central fissure, ranging from 1.0 to 2.0 feet in width, in a 3 to 5 foot fracture zone. The quartz of the vein filling occurs in small lenses and stringers in clay and brecciated wall rock occupying the central fissure. The scheelite is reported to occur only locally in the quartz in high-grade stringers ranging from 1 to 3 inches in width. The above indicates weak mineralization and limited tonnage of tungsten-bearing vein filling.

2. In this particular case, it is believed that the scheelite-bearing part of the shaft dump is not representative of the vein filling.

3. The mine has been worked twice unsuccessfully for tungsten in 1916 and 1940-41.

4. The applicant is not competent to supervise the project.

5. The applicant has no funds and so has nothing to contribute toward the benefit of the proposed project except possibly labor.

GCSelfridge'lm
1/7/52

George C. Selfridge

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

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

Copy

DMA - 2081

Memorandum Report

Cliff Mine, near Baker

Baker County, Oregon

The Cliff Mine, 7 miles northeast of Baker, is owned by Mr. A. Williams, 2326 Oak Street, Baker, Oregon. The location and geology of the mine are briefly described by Gilluly in the U. S. G. S. Bull. 879 — The geology and mineral resources of the Baker Quadrangle, Oregon. The workings, which were inaccessible at the time of Gilluly's work, have since been partially reopened and the writer was able to examine the shaft to a depth of about 100 feet.

Two years ago (in 1942) the mine was leased to Mr. W. R. Williams, the owner's son, who qualified the mine with Metals Reserve Co. and shipped a small amount of ore which he sorted from the old dumps. No scheelite production has been made from the underground workings. The remaining dump material contains only a negligible quantity of scheelite.

The country rock is altered gabbro. A small sheared quartz vein, which strikes north-south and dips vertically, is explored by a 300-foot shaft and several hundred feet of drifts on three levels. Only the first hundred feet of the shaft is now open—the remainder of the shaft and the levels being caved. No scheelite is reported from any of the surface exposures of the vein. The vein is exposed in the shaft at a depth of 40 feet, but contains no scheelite. At a depth of 100 feet a drift to the north is accessible for 15 or 20 feet and the vein, badly sheared and broken, carries a small amount of scheelite in a 3 inch stringer on the east wall. The scheelite in this stringer is pockety and erratic and offers no chance for the production of any ore. Nothing is known of scheelite at greater depth, but the dump material indicates that should any be present it is very likely small in amount and irregular in distribution.

The mine offers no chances for any regular tungsten production.

U. S. Geological Survey
Sept. 1944

S. W. Hobbs

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

January 2, 1952

File

Memorandum

To: D.M.M.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application-74,500. DMA-2081
Cliff Mine, Baker County, Oregon Tungsten
Application of J. E. Taylor and Alma Williams.

Property: Cliff gold mine on Bengell and Provider claims, sec. 32, T. 8S., R. 41 E., Willamette Meridian, Baker County, Oregon.

Proposal: Minimum rehabilitation of a 225-foot shaft to allow safe acess for the purpose of sampling and geologic mapping.

Conclusions: The possibility of workable ore being present is indicated by the contents of the shaft dump. The examining engineer states that a "Scheelite ore shoot of unusual grade must have been encountered in the lower shaft workings." Also states, "the mine definitely justifies investigation," and "there is ample evidence to justify at least rehabilitation of the lower shaft workings."

Recommendation: It is recommended that the application be approved in accord with the examining engineer's recommendations; it is stipulated however, that competent supervision must be provided, and that mining methods must meet the approval of the field team.

Robert W. Geehan

CKatlin:elk
cc: Mr. Geehan
Ferrous M&A
Files

FILE COPY
Surname:

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

Katlin
Geehan
Ridgway

January 2, 1952

Memorandum

To: D.M.E.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application-$4,500. DMA-2081
Cliff Mine, Baker County, Oregon Tungsten
Application of J. T. Taylor and Alma Williams.

Property: Cliff gold mine on Bengall and Provider claims, sec. 32, T. 8S., R. 41 E., Willamette Meridion, Baker County, Oregon.

Proposal: Minimum rehabilitation of a 225-foot shaft to allow safe acess for the purpose of sampling and geologic mapping.

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Robert W. Geehan

CKatlin:elk
cc: Mr. Geehan
Ferrous M&A
Files

D.M.E.A. December 3, 1951

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

Cliff mine, Baker County, Oregon DMA 2081 - Tungsten
Application of J. T. Taylor $4,500
and Alma Williams

Property: Cliff gold mine on Bengall and Provider claims, sec. 32, T. 8 S., R. 41 E., Willamette Meridian, Baker County, Oregon.

Proposal: The rehabilitation of a 225-foot shaft to allow safe access for the purpose of sampling and geologic mapping. Work includes installation of headframe and hoist, repair shaft timbers as needed, install ladders, remove debris from shaft and shaft levels. No financial provision is made for sampling or geologic mapping, although these are the avowed objectives.

Conclusions: The shaft is apparently still open, although the timbers are partly rotted. It is not clear that the proposed shaft rehabilitation is necessary for the purpose of examination. Possibly the use of ropes or of an A-fram and bucket would permit access.

The past history of this property is not encouraging for discovery of tungsten ore bodies. The mine was open in 1916 and unsuccessful attempts were made to mine scheelite at that time when tungsten prices were relatively higher than now. Reported production was only 11 units of WO_3 from 40 tons mined.

A field examination of this property was made in August 1951 by J. W. Taber, Mining Engineer, U. S. Bureau of Mines, in order to assist the applicant to prepare an application. Taber recommends the rehabilitation project, but states that the applicant is incompetent to do the job.

Recommendation: It is recommended that the application be denied for the following reasons:

(1) Available evidence is not favorable for the discovery of workable bodies of tungsten ore.

(2) The past history of the prospect suggests that the operators would have produced more tungsten if tungsten ore was exposed in old workings. The occurrence of scheelite at the property has been known since 1901, and the workings were open in 1916 when the price of tungsten was high. Attempts to produce tungsten in 1940-41 also were unsuccessful.

(3) The applicant is incompetent to supervise the project. His incompetence is attested by the statement of the examining engineer and also by the documents submitted by the applicant.

DM Lemmon

DMLemmon:gt

Copy

Memorandum Report

Cliff Mine, near Baker

Baker County, Oregon

The Cliff Mine, 7 miles northeast of Baker, is owned by Mr. A. Williams, 2326 Oak Street, Baker, Oregon. The location and geology of the mine are briefly described by Gilluly in the U. S. G. S. Bull. 879 — The geology and mineral resources of the Baker Quadrangle, Oregon. The workings, which were inaccessible at the time of Gilluly's work, have since been partially reopened and the writer was able to examine the shaft to a depth of about 100 feet.

Two years ago (in 1942) the mine was leased to Mr. W. R. Williams, the owner's son, who qualified the mine with Metals Reserve Co. and shipped a small amount of ore which he sorted from the old dumps. No scheelite production has been made from the underground workings. The remaining dump material contains only a negligible quantity of scheelite.

The country rock is altered gabbro. A small sheared quartz vein, which strikes north-south and dips vertically, is explored by a 300-foot shaft and several hundred feet of drifts on three levels. Only the first hundred feet of the shaft is now open—the remainder of the shaft and the levels being caved. No scheelite is reported from any of the surface exposures of the vein. The vein is exposed in the shaft at a depth of 40 feet, but contains no scheelite. At a depth of 100 feet a drift to the north is accessible for 15 or 20 feet and the vein, badly sheared and broken, carries a small amount of scheelite in a 3 inch stringer on the east wall. The scheelite in this stringer is pockety and erratic and offers no chance for the production of any ore. Nothing is known of scheelite at greater depth, but the dump material indicates that should any be present it is very likely small in amount and irregular in distribution.

The mine offers no chances for any regular tungsten production.

U. S. Geological Survey
Sept. 1944

S. W. Hobbs

FILE COPY 400
SURNAME:

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

JAN 11 1952

Selfridge
Hodges
Bowles
Jefferson

Mr. J. T. Taylor
Baker, Oregon

Re: Docket No. DMA 2081 - Tungsten
Cliff Gold - Tungsten Mine
Baker County, Oregon

Dear Mr. Taylor:

Your application for Government aid for an exploration project in the amount of $4,500.00, and additional available data concerning the subject mine, has been reviewed by the Iron and Ferro-Alloy Division.

The data, while noting the presence of scheelite in narrow veinlets or stringers, indicate that, geologically, there is little probability of making a significant mineral discovery.

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

We wish to thank you for your interest and effort in the Defense Minerals Program.

Sincerely yours,

1-11-52

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge'lm
1/7/52

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

F.A.

FILE COPY
SURNAME:

Selfridge

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

January 7, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

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

Subject: Denial of exploration project in the amount of $4,500.00
Docket No. DMA 2081 - Tungsten
Cliff Gold - Tungsten Mine
Baker County, Oregon

The subject application was denied for the following reasons:

1. The vein filling is confined to a central fissure, ranging from 1.0 to 2.0 feet in width, in a 3 to 5 foot fracture zone. The quartz of the vein filling occurs in small lenses and stringers in clay and brecciated wall rock occupying the central fissure. The scheelite is reported to occur only locally in the quartz in high-grade stringers ranging from 1 to 3 inches in width. The above indicates weak mineralization and limited tonnage of tungsten-bearing vein filling.

2. In this particular case, it is believed that the scheelite-bearing part of the shaft dump is not representative of the vein filling.

3. The mine has been worked twice unsuccessfully for tungsten in 1916 and 1940-41.

4. The applicant is not competent to supervise the project.

5. The applicant has no funds and so has nothing to contribute toward the benefit of the proposed project except possibly labor.

GCSelfridge'lm
1/7/52

George C. Selfridge

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

1-11-52

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

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

January 7, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

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

Subject: Denial of exploration project in the amount of $4,500.00
Docket No. DMA 2081 - Tungsten
Cliff Gold - Tungsten Mine
Baker County, Oregon

The subject application was denied for the following reasons:

1. The vein filling is confined to a central fissure, ranging from 1.0 to 2.0 feet in width, in a 3 to 5 foot fracture zone. The quartz of the vein filling occurs in small lenses and stringers in clay and brecciated wall rock occupying the central fissure. The scheelite is reported to occur only locally in the quartz in high-grade stringers ranging from 1 to 3 inches in width. The above indicates weak mineralization and limited tonnage of tungsten-bearing vein filling.

2. In this particular case, it is believed that the scheelite-bearing part of the shaft dump is not representative of the vein filling.

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G. C. Selfridge.

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

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

January 2, 1952

Memorandum

To: D.M.E.A. Iron & Ferro Alloys Div

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application-$4,500. DMA-2081
Cliff Mine, Baker County, Oregon Tungsten
Application of J. T. Taylor and Alma Williams.

Property: Cliff gold mine on Bengall and Provider claims, sec. 32, T. 8S., R. 41 E., Willomette Meridion, Baker County, Oregon.

Proposal: Minimum rehabilitation of a 225-foot shaft to allow safe acess for the purpose of sampling and geologic mapping.

Conclusions: The possibility of workable ore being present is indicated by the contents of the shaft dump. The examining engineer states that a "Scheelite ore shoot of unusual grade must have been encountered in the lower shaft workings." Also states, "the mine definitely justifies investigation;" and "there is ample evidence to justify at least rehabilitation of the lower shaft workings."

Recommendation: It is recommended that the application be approved in accord with the examining engineer's recommendations; it is stipulated, however, that competent supervision must be provided, and that mining methods must meet the approval of the field team.

Robert W. Geehan
Robert W. Geehan

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

January 2, 1952

Memorandum

To: [illegible]

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application [illegible], [illegible] Cliff Mine, Baker County, Oregon — DMC-0071 Tungsten
Application of [illegible] Taylor and Alva Williams.

Property: Cliff gold mine on Bengall and Provider claims, sec. 22, T. 8S., R. 41E., Willamette Meridian, Baker County, Oregon.

Proposal: Minimum rehabilitation of a 215-foot shaft to allow safe access for the purpose of sampling and geologic mapping.

Conclusions: The possibility of workable ore being present is indicated by the contents of the shaft dump. The examining engineer states that a "Scheelite ore shoot of unusual grade must have been encountered in the lower shaft workings." Also states, "the mine definitely justifies investigation; and there is ample evidence to justify at least rehabilitation of the lower shaft workings."

Recommendation: It is recommended that the application be approved in accord with the examining engineer's recommendations; it is stipulated however, that competent supervision must be provided, and that mining methods must meet the approval of the field team.

Robert W. Geehan

CKatlin:elk
cc: Mr. Geehan
Ferrous M&A
Files

Copy

Memorandum Report

Cliff Mine, near Baker

Baker County, Oregon

The Cliff Mine, 7 miles northeast of Baker, is owned by Mr. A. Williams, 2326 Oak Street, Baker, Oregon. The location and geology of the mine are briefly described by Gilluly in the U. S. G. S. Bull. 879 — The geology and mineral resources of the Baker Quadrangle, Oregon. The workings, which were inaccessible at the time of Gilluly's work, have since been partially reopened and the writer was able to examine the shaft to a depth of about 100 feet.

Two years ago (in 1942) the mine was leased to Mr. W. R. Williams, the owner's son, who qualified the mine with Metals Reserve Co. and shipped a small amount of ore which he sorted from the old dumps. No scheelite production has been made from the underground workings. The remaining dump material contains only a negligible quantity of scheelite.

The country rock is altered gabbro. A small sheared quartz vein, which strikes north-south and dips vertically, is explored by a 300-foot shaft and several hundred feet of drifts on three levels. Only the first hundred feet of the shaft is now open—the remainder of the shaft and the levels being caved. No scheelite is reported from any of the surface exposures of the vein. The vein is exposed in the shaft at a depth of 40 feet, but contains no scheelite. At a depth of 100 feet a drift to the north is accessible for 15 or 20 feet and the vein, badly sheared and broken, carries a small amount of scheelite in a 3 inch stringer on the east wall. The scheelite in this stringer is pockety and erratic and offers no chance for the production of any ore. Nothing is known of scheelite at greater depth, but the dump material indicates that should any be present it is very likely small in amount and irregular in distribution.

The mine offers no chances for any regular tungsten production.

U. S. Geological Survey
Sept. 1944

S. W. Hobbs

1/7/51
The U.S.G.S. has no record of the quantity or tungsten content of ore shipped from this deposit to MRC. The transaction was apparently not carried on the MRC books. Quantity probably minute.
Don Lemmon

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : D.M.E.A. DATE: December 3, 1951

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

SUBJECT: Cliff mine, Baker County, Oregon DMA 2081 - Tungsten
Application of J. T. Taylor $4,500
and Alma Williams

Property: Cliff gold mine on Bengall and Provider claims, sec. 32, T. 8 S., R. 41 E., Willamette Meridian, Baker County, Oregon.

Proposal: The rehabilitation of a 225-foot shaft to allow safe access for the purpose of sampling and geologic mapping. Work includes installation of headframe and hoist, repair shaft timbers as needed, install ladders, remove debris from shaft and shaft levels. No financial provision is made for sampling or geologic mapping, although these are the avowed objectives.

Conclusions: The shaft is apparently still open, although the timbers are partly rotted. It is not clear that the proposed shaft rehabilitation is necessary for the purpose of examination. Possibly the use of ropes or of an A-fram and bucket would permit access. ?

The past history of this property is not encouraging for discovery of tungsten ore bodies. The mine was open in 1916 and unsuccessful attempts were made to mine scheelite at that time when tungsten prices were relatively higher than now. Reported production was only 11 units of WO_3 from 40 tons mined.

A field examination of this property was made in August 1951 by J. W. Taber, Mining Engineer, U. S. Bureau of Mines, in order to assist the applicant to prepare an application. Taber recommends the rehabilitation project, but states that the applicant is incompetent to do the job.

Recommendation: It is recommended that the application be denied for the following reasons:

(1) Available evidence is not favorable for the discovery of workable bodies of tungsten ore.

(2) The past history of the prospect suggests that the operators would have produced more tungsten if tungsten ore was exposed in old workings. The occurrence of scheelite at the property has been known since 1901, and the workings were open in 1916 when the price of tungsten was high. Attempts to produce tungsten in 1940-41 also were unsuccessful.

(3) The applicant is incompetent to supervise the project. His incompetence is attested by the statement of the examining engineer and also by the documents submitted by the applicant.

DM Lemmon

Holderer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 North Division Street,
Spokane 2, Washington.

November 7, 1951.

OFFICIAL FILE COPY

To	Init.	Date
340	BJ	11-13
210		

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

Subject: Cliff tungsten mine, Baker County, Oregon.

Dear Mr. Holderer:

This will refer to an application for an exploratory project contract on the subject property transmitted by the Field Team on September 11, 1951, and further discussed in a letter from this office dated October 5, 1951. The last letter called your attention to an ownership dispute.

Mr. J. L. Taylor, applicant and partner with one-half ownership in the property was contacted for information concerning the dispute by the member of the Field Team on October 27th during a trip to Baker, Oregon. The following Monday, October 29th, Mr. Lyle R. Wolff, attorney representing Mr. Taylor, was interviewed. Following this an interview was held with Mr. Harold Banta, representing the adverse claimant. An examination of the property records was made at the Baker County Courthouse.

To the extent of my investigation, it is quite apparent to me that the dispute is one of a nuisance nature imposed by a Mr. Kramer and backed up by Mr. Banta on a contingency fee basis with the hope of obtaining some share of the ownership. The fact that this was the first application for DMA exploratory assistance to be submitted for a property in the state of Oregon and that it is receiving favorable consideration, apparently induced these men to believe that the Cliff mine is a bonanza in a more or less dormant mining district. Although the records show that Mr. Taylor's portion of ownership appears well established from the original location right, and that he performed assessment work and recorded proof for the period 1950-51, Mr. Kramer took possession of the property by force and held it long enough during late September and October to relocate the two claims, perform assessment work, and record the proof. He has now left the claims and Mr. Taylor is again in physical possession of them.

Nov 13 10 27 AM
DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.

Mr. Banta stated to me that he has been advised to proceed with a suit to establish ownership unless Mr. Taylor institutes such a suit. Kramer and Banta make two points; (1) that Taylor did not perform the prescribed amount of assessment work and (2) that he did not do the work in a place or in a manner intended to improve the claims or develop the mineral deposits.

It is common knowledge around Baker that Mr. Taylor did perform some assessment work. He has witnesses to prove that he was working on the claims during the 1950-51 period. A surface pit intended to be developed into an adit, and certain road improvement work were performed. Because of natural sluffing, especially during the winter season, it will be exceedingly difficult to prove that Mr. Taylor's work was insufficient in amount, and it will be impossible to disprove that he performed work.

It is possibly true that Mr. Taylor performed his work where the "digging" was easiest, and it is problematical whether such work can be construed as being in the nature of an improvement or development. On the other hand, I do not think any Court would attempt to interpret such intentions, but would simply throw this point out.

The sentiments of the local mining people are favorable to Mr. Taylor, but he is not too well liked personally. It is quite apparent that should a law suit develop his ownership will be substantiated. Mr. Wolff, attorney for Mr. Taylor, is sending you all of the factual data on the case and this information may be in your hands already. He stated that it was not possible for him to give an opinion except for an interpretation of the factual data.

I am submitting the above information for whatever clarification and help it might be to you.

Yours very truly,

M. E. Volin, Member,
Field Team, Region II.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

IRON + FERRO ALLOYS BR.

LYLE R. WOLFF
ATTORNEY AT LAW
BAKER - OREGON

NOV 9 8 55 AM '51

November 6, 1951

To		Date
210		

Mr. George B. Holderer
Chief, Tungsten Branch
Defense Mineral Administration
Department of the Interior
Washington 25, D.C.

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 1 8 1951
Defense Minerals Administration,
Production Expansion Division.

Re: Mr. J. T. Taylor
Baker, Oregon
DMA-2081 Tungsten

Dear Sir:

On November 5, 1951, I sent you a letter dealing with the above matter. In that letter I stated that I was sending to you a copy of the Bengal Quartz Mining Claim as taken from the records of the Baker County Quartz Records.

I have herewith enclosed that copy which was erroneously omitted from my letter of November 5.

Very truly yours,

Lyle R. Wolff

LRW:lw

Notice is hereby given to all whom it may concern: That we, the undersigned, citizens of the United States, over the age of 21 years, having discovered a vein or lode of quartz or rock in place bearing gold and other minerals within the limits of the claim hereby located and having this day under and in accordance with the Revised Statutes of the United States, Chapter 6, Title 32, located 1500 linear feet of this vein or lode with surface ground 300 feet in width on each side of said vein or lode situated in no organized mining district, County of Baker, State of Oregon, and known as the Bengal Quartz Mining Claim, extending 1500 feet in a northerly direction to north end line and ____ feet in a _____ direction to _____ end line from this notice at the discovery or prospect shaft the exterior boundaries of this claim being distinctly marked by reference to some natural object or permanent monument, and more particularly described as follows, to-wit:

Commencing at this place of discovery, thence running 300 feet in an easterly direction to southeast corner, thence 1500 feet northerly direction to northeast corner, thence 600 feet westerly to northwest corner, thence 1500 feet southerly direction to southwest corner, thence 300 feet easterly direction to place of discovery. This claim is about one mile from the Flagstaff mine in a northerly direction. This claim is about 6 miles from Baker, in a northeasterly direction. Also this claim is bounded on the south end by the Provider Mining Claim.

The general course or strike of this lode is northerly and southerly. And we intend to work and hold said claim as provided by local customs and rules of miners and mining statutes of the United States. Dated on the grounds this 15th day of June, 1931.

/s/ Alma Williams
/s/ M. F. Newton
Locators

ATTEST:
/s/ John Bruce
/s/ Kittie Matthies

STATE OF OREGON,)
) ss.
County of Baker.)

I, Alma Williams, do solemnly swear that I am a citizen of the United States (or declared my intention to become such). That I am acquainted with the Quartz Claim described in the within notice of location, called the Bengal Quartz Claim. That the locator of the said claim has prior to the date of this affidavit and since the date of posting of the location notice thereon excavated an open cut six feet deep, four feet wide and 10 feet in length along the lode, and by such work has shown a lode or vein or deposit of mineral in place.

/s/ Alma Williams

Subscribed and sworn to before me this 23rd day of September, 1931.

/s/ J. R. Smurthwaite Sr.
Notary Public for Oregon

My commission expires: Jan. 18, 1935.

On page 317, Book 39 Quartz Location Notice is the Provider Mining Claim. It was also recorded on Sept. 23rd, 1931. Same notary, witnesses and locators. It lies immediately south of the Bengal Mining Claim.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 8 8 55 AM '51

LYLE R. WOLFF
ATTORNEY AT LAW
BAKER - OREGON

November 5, 1951

OFFICIAL COPY

To		Date

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

Re: Mr. J. T. Taylor
Baker, Oregon
DMA-2081 Tungsten

Dear Sir:

On behalf of Mr. J. T. Taylor, Baker, Oregon, I am acknowledging your letter of October 23, 1951. You mentioned the dispute between H. F. Kramer and Mr. Taylor.

First, I wish to state that there appears of record in Book 39 of the Quartz Mining Records of Baker County, Oregon, the following two location notices of claims. At page 316 of said Book 39 is the notice of location of the Bengal Quartz Mining Claim. At page 317 of the same book is the notice of location of the Provider Mining Claim. These notices were dated the 15th day of June, 1931. The notices were filed and recorded on the 23rd day of September, 1931. I am sending you a copy of the Bengal Quartz Mining Claim as taken from the records of the Baker County Quartz Mining Records. The Provider Mining Claim which appears on page 317 is in the same form and manner except that it lies immediately to the south of the Bengal Mining Claim as the description clearly indicates.

Milo F. Newton, one of the locators of these two claims on the 7th day of March, 1941, quit-claimed to Edith Baxa a one half interest to the Provider and the Bengal Quartz Mining Claims. This quit claim deed was recorded August 26th, 1941, in the Deed Records of Baker County, Oregon. That quit claim deed appears to be sufficient although the description of the claims is made by reference to the original description contained in the location notices above mentioned, Deeds Book 130, page 436.

Edith Baxa, a widow, by quit claim deed conveyed an undivided one half interest to both claims to J. T. Taylor in a deed dated October 19, 1950, and recorded October 20th, 1950, in Baker County, Oregon, Deed Records, Volume 154, page 497.

Mr. George B. Holderer
Chief, Tungsten Branch

The records do show a clear and distinct line of title from M. F. Newton, one of the locators, of his undivided one half interest in and to the two claims to my client, J. T. Taylor.

It is my understanding that Mr. Alma Williams is still alive and has his undivided one half interest in the two claims.

The proof of labor covering both claims for the year ending July 1st, 1951, was filed by Mr. J. T. Taylor and appears of record in Book 39 Quartz Mining Records, Baker County, Oregon, page 316 for the Bengal claim and at page 317 of the same volume for the Provider Mining Claim. That work was done from May 15th, 1951, to and including June 1st, 1951. The proof shows that 17 days of work was done and that work was done on a tunnel. The work was done for the benefit of both Alma Williams and for the benefit of J. T. Taylor. The amount of work was valued at $204.95. It was peformed by J. T. Taylor. These items that I mentioned are things that appear of record in the Records of Baker County, Oregon, and I do not purport to submit fully the contents of those records, but I rather expect that you will want to have your own people examine the records that I have mentioned, or at least get photostatic copies thereof.

As to the original location notices above mentioned, the affidavit attached to each appears to be in good order. Mr. H. F. Kramer, also known as Henry Frank Kramer, filed in Book 47, Quartz Mining Records, Baker County, Oregon, at page 601-602 and 604-605 location notices pertaining to the following two claims, to-wit: Tungsten Mine number one and Tungsten Mine number two. These notices were filed on October 9th, 1951, and October 17th, 1951, respectively. Each of the notices was dated the 14th day of September, 1951. Their descriptions are not too clear.

Mr. Harold Banta of Hallock, Banta, Silven and Horton represented Mr. Kramer.

Since it appears that Mr. Taylor did the work for 1950-1951, meaning the year ending July 1st, 1951, and recorded his proof of labor for both claims properly, it is rather difficult for me to see how Mr. Kramer is able to claim adversely to Mr. Taylor. It might be advisable for you to procure from the Baker County Clerk certified copies of all of the documents above mentioned, including the claims filed by Kramer. I am not attempting to prepare any abstract of title at this time since it has not been asked for in this case. Obviously, I cannot and would not write an opinion on unpatented mining claims since there are so many

Mr. George B. Holderer
Chief, Tungsten Branch

possible elements involved in such a case that cannot be resolved from the records and files in these matters. Mr. Volin of Spokane was here a few days ago and I feel that he would be a better judge as to whether or not Mr. Taylor has in fact been doing the annual work correctly and properly. However, I have advised Mr. Taylor to stay in possession of his claim under the facts of this case and Mr. Taylor has been and is now in possession of his claims.

If you have further questions on the matter, kindly direct them to me.

Very truly yours,

Lyle R. Wolff

LRW:lw

P.S. A copy of this letter is also being given to Mr. J. T. Taylor, my client above named.

MF-206
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] J. T. Taylor of Baker, Ore. and Alma Williams of El Monte, California

hereinafter called the "Operator," as follows:

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

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Oregon, County of Baker described as follows: [3] Two unpatented lode mining claims known as the Bengall and Provider claims, ~~[illegible]~~ and otherwise known as the Cliff mine, located in sec. 32, T. 8 S., R. 41 E. Willamette Meridian

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

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

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

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Ninety (90) days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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

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

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

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

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

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

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

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

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

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

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $3375.00, which is 75 percent of the agreed estimated total cost of this project, $4500.00.

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

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

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

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

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

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

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

Executed in sextuplicate the day and year first above written.

J. T. Taylor

J. T. Taylor (Operator)

By Alma Williams

Alma Williams

Josephine M. Duchen

THE UNITED STATES OF AMERICA

By

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

Exhibit A

Purpose of Work

To rehabilitate shaft and lower shaft levels (140 foot level and short levels said to be below 140 foot level) sufficient to permit access for sampling and geologic studies.

Work proposed

1. Construct minimum size shaft headframe and install small hoist for lowering supplies and hoisting waste materials accumulated in shaft and on shaft levels.

2. Repair or replace shaft timbers as required and install ladders and ladder landings from surfact to bottom of shaft - said to be 225 feet.

3. Remove rock caves and accumulated debris from shaft and shaft levels above mentioned, and make such timber repairs as are required for temporary access to these levels.

Estimated cost

labor	$1820.00
Supervision (foreman as part of crew).....	1050.00
Supplies and materials	1000.00
Equipment rental	570.00
Small tools & misc.	60.00
Total	$4500.00

Exhibit B

No fixtures or improvements involved.

Exhibit C

Operating equipment to be rented:

Gasoline powered hoist with cable & shaft bucket
3 months @ $190 ..... $570.

Exhibit D

Labor	90 day period - 70 working days		
	1 miner @ $14.00/ day 70 days	$980.	
	1 underground laborer @$12.00/day 70 days	840.	
			$1820.
Supervision			
	1 foreman (serve as combination hoistman and surface man) @$15/day 70 days	1050.	1050.
	Tot.		$2870.

Exhibit E

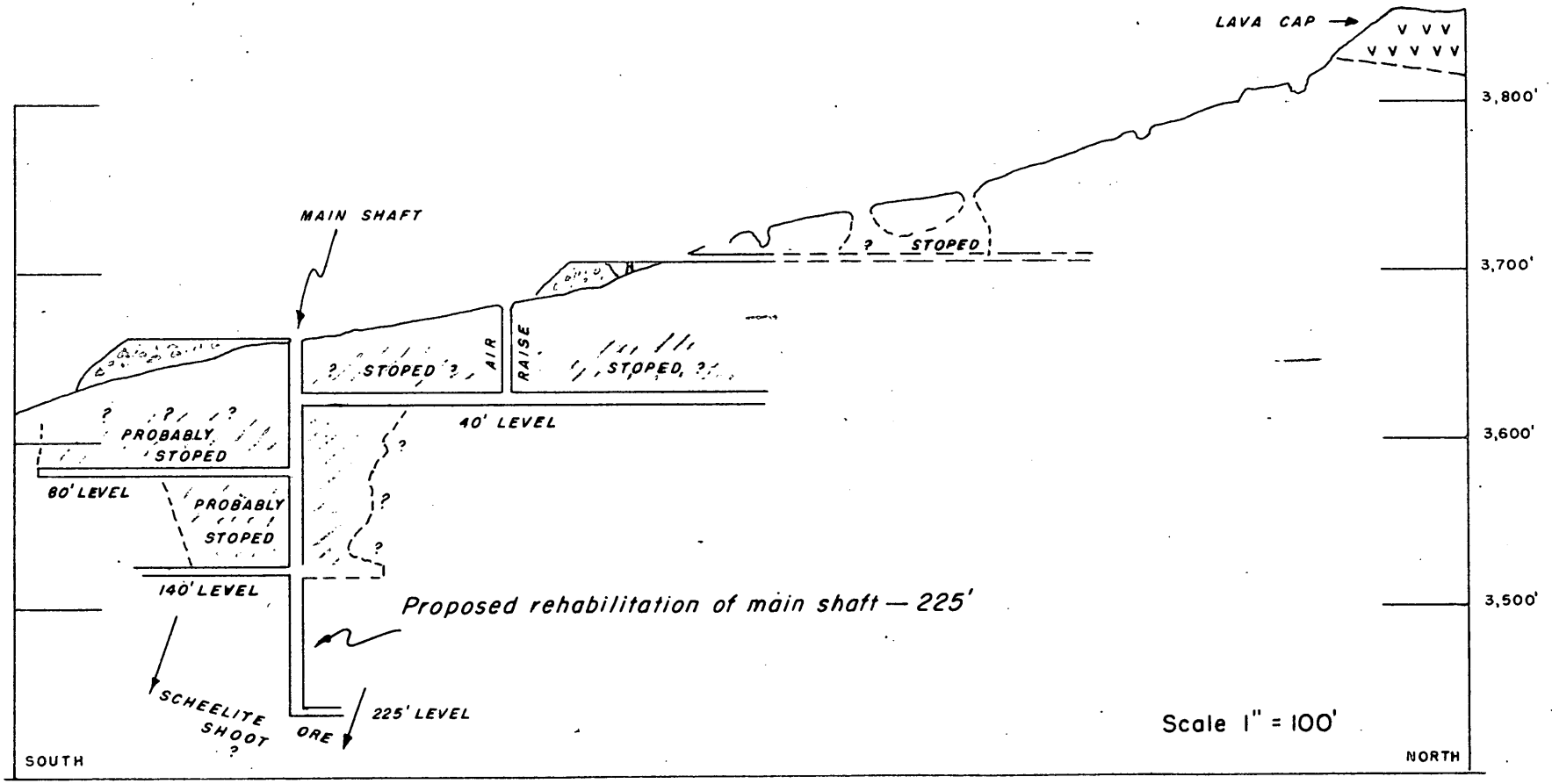
Entire work proposal comprises rehabilitation for access to lower shaft workings. No actual exploration is to be undertaken on any of these levels or in the shaft under the terms of this contract.

Exhibit E

Future work proposal comprises rehabilitation for access to lower shaft workings. No actual exploration is to be undertaken on any of these levels or in the shaft under the terms of this contract.

U. S. Department of the Interior

Bureau of Mines, D.M.A Docket No ____



Cliff Tungsten Mine, Baker County, Oregon.

AIR MAIL

Mr. J. T. Taylor

Baker, Oregon

In reply please refer
to DMA-2081 Tungsten

Dear Mr. Taylor:

Your letter dated October 15, 1951, has been received. We suggest that you have your attorney Mr. Wolf write us fully concerning the dispute between Mr. H. F. Kramer and yourself and state his opinion on your title to the property.

Unless you can show a clear title, the Government will not approve an exploration contract.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

TJBALLARD:ec
Oct 23, 1951

CC: DMA Docket File
Adm. Reading File
Mr. Holderer

340
FILE COPY
SURNAME:

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

Holderer
Wolle

AIR MAIL

OCT 23 1951

A. & C.

Mr. J. T. Taylor

Baker, Oregon

In reply please refer
to DMA-20P1 Tungsten

Dear Mr. Taylor:

Your letter dated October 15, 1951, has been received. We suggest that you have your attorney Mr. Wolf write us fully concerning the dispute between Mr. H. F. Kramer and yourself and state his opinion on your title to the property.

Unless you can show a clear title, the Government will not approve an exploration contract.

Very truly yours,

George B. Holderer

10/23

George B. Holderer
Chief, Tungsten Branch

TJBALLARD:ec
Oct 23, 1951

CC: DMA Docket File
Adm. Reading File
Mr. Holderer

AIR MAIL

Mr. J. T. Taylor

Baker, Oregon

In reply please refer to DMA-2081 Tungsten

Dear Mr. Taylor:

Your letter dated October 15, 1951, has been received. We suggest that you have your attorney Mr. Wolf write us fully concerning the dispute between Mr. W. F. Kramer and yourself and state his opinion on your title to the property.

Unless you can show a clear title, the Government will not approve an exploration contract.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

TJBALLARD:ec
Oct 23, 1951

CC: DMA Docket File
Adm. Reading File
Mr. Holderer

OFFICIAL FILE COPY

8 2 2081
DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 18 9 16 AM '51

To	Init.	Date
340	9 7	10/18
210		

Baker Ore. 10-15-51

U.S. Dept of The Interior
Washington 25 D.C.

Gentlemen: I have your letter of Oct. 12th in which you state that the title to my property is in dispute.

There has never been a legal question to our title to the Cliff mine.

Mrs John Tabor Mr. W. E. Volins field man who examined the property for the loan examined the records also my lawyer Lyle Wolf has examined the records and finds everything legal.

Mr Wolf is away at present and I will have him notify you as to his findings of the records when he returns if this is necessary.

H. A. Kramer occupied the property during my absence and said he was on the property and it was up to me to put him off. said his Co had $20,000.00 to carry the case to the Supreme Court and if necessary would put armed guards on the claims to hold them.

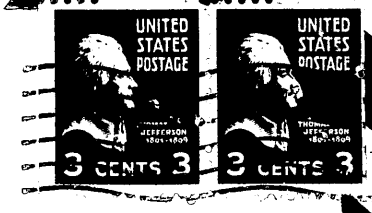
I succeed in puting his equipment of the property the 29th of Sept, and since I with another man

have been working on the claims and Kramer has not returned.
I have no tresspass notices on the property and a warrent for Kramers arrest but the warrent hasent been served.
The Oregon mine tresspass laws 23-596 0 6 6 G makes it a felony to enter property not his own and brake the ground or vein, and I have two witnesses who saw Kramer do this, this crime is punishable by 1 to 5 years in the pen one hundred to 500.00 fine or both, I believe Kramer is thru
Let me know what additional information you need to clear this case.
Very respectfully

J T Taylor
Baker Ore.

J. T. Taylor
Baker, Ore

BAKER
OCT 16
11 AM
1951
OREG.



VIA AIR MAIL

U.S. Dept of Interior
Defence Minerals Administration
Washington 25 D.C.

340
FILE COPY
SURNAME:

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

Holderer
Ballard

OCT 12 1951
a.e.c.

Mr. J. T. Taylor
Baker, Oregon

In reply please refer
to DMA-2081 - Tungsten

Dear Mr. Taylor:

We have information to the effect that the title to your property is in dispute. Therefore, we are holding your application for an exploration project in abeyance until you notify us that this matter has been settled.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

gf 10/12

TJBallard:ec
10/10/51

CC: Adm. Reading File
DMA Docket File
Mr. Holderer

Note: Official file copy is being held in Mr. Holderer's office.

Mr. J. T. Taylor

Baker, Oregon

In reply please refer
to DMA-2081 - Tungsten

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George B. Holderer

George B. Holderer
Chief, Tungsten Branch

TJBallard:ec
10/10/51

CC: Adm. Reading File
DMA Docket File
Mr. Holderer

DMA 2081

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

OCT 9 8 57 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 North Division Street,
Spokane 2, Washington.

October 5, 1951.

OCT 9 1951
Rec'd by Mr. Holden

MEMORANDUM

To: Chairman, Tungsten Commodity Committee, Defense Minerals Administration, Washington 25, D. C.

Through: L. F. Strobel

From: DMA Field Team, Region II

Subject: Cliff Gold-Tungsten mine, Baker County, Oregon.

An application for an exploratory project contract on the subject property was transmitted from this office on Sept. 11, 1951, with a recommendation by the field team.

Lately the ownership of the property has become the subject of a dispute which may have to be settled by court action.

Inasmuch as the proposed project was a limited one very likely with possibilities for only small, though rich, ore bodies further action may appropriately be deferred pending settlement of the dispute. The competency of the applicant, Mr. J. T. Taylor, with respect to his ability to conduct the proposed project, and now with respect to his ability to maintain his ownership, is questionable.

M. E. Volin, Acting Executive Officer
U. S. Bureau of Mines.

OFFICAL FILE COPY

To	Init.	Date
340	ll	10-9-51
210		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 N. Division St.
Spokane 2, Wash.

DMA-2081

September 11, 1951

MEMORANDUM

To: Chairman, Tungsten Commodity Committee, Defense Minerals Administration, Washington 25, D. C.

Through: L. F. Strobel

From: DMA Field Team, Region II

Subject: Cliff Gold-Tungsten mine, Baker County, Oregon

Enclosed is an examination report (5 copies) and an exploration contract (6 copies) concerning the subject prospect; also enclosed are Forms MF-100 and MF-103 comprising the original application.

The project, consisting of minimum rehabilitation of a 225-foot shaft, is to allow safe access to the lower shaft workings for the purpose of sampling and geologic appraisal.

Available evidence indicates scheelite in significant quantity was removed from the underground workings as a waste product from prior gold-prospecting operations. An inspection of surface features suggests that the vein structure is persistent along strike and apparently is of reasonable mining width.

The Field Team is in accord with the examining engineer's opinion that the prospect merits further attention. The Field Team further concurs with the examining engineer in questioning the applicant's competence. It is urged that the granting of a rehabilitation contract be predicated on the applicant's acceptance of competent supervision.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 17 1951

By Field Team, Region II

A. E. Weissenborn

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures

1201 N. Division St.
Spokane 2, Wash.

September 11, 1951

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By Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures

1201 N. Division St.
Spokane 2, Wash.

September 11, 1951

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By Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. B. Volin, Member
(U. S. Bureau of Mines)

Enclosures

1201 E. Division St.
Spokane 2, Wash.

September 11, 1951

DMA-2081

MEMORANDUM

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Through: L. F. Strobel

From: DMA Field Team, Region II

Subject: Cliff Gold-Tungsten Mine, Baker County, Oregon

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By Field Team, Region II

A. S. Weissenborn, Exec. Officer
(U. S. Geological Survey)

E. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures

cc: L. F. Strobel

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN -SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region 11

DMA 2081 Cliff Gold-Tungsten Mine

Baker County, Oreg.

J. W. Taber, Mining Engineer
U. S. Bureau of Mines

September 6, 1951

CLIFF-GOLD-TUNGSTEN MINE
Baker County, Oregon.

DMA Docket No. _____

by J. W. Taber (U. S. B. M.)

RECOMMENDATIONS

A minimum job of rehabilitating the 225-foot shaft is recommended. The project includes erection of a temporary head frame installing ladders and ladder landings throughout the shaft, and recovering and repairing timber in such caved sections as may be found on the 140-foot drift south and on the 225-foot level. The work recommended is the minimum required to permit access to the shaft lower workings for sampling and geologic study.

THE APPLICANT

J. T. Taylor of Baker, Oreg. owns a one-half interest in the claims. Alma Williams of El Monte, Calif. owns the other one-half interest. Power of Attorney for disposition of the Williams interest has been assigned to Josephine M. Buchen of El Monte, Calif.

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DESCRIPTION OF THE PROPOSAL

It is proposed to repair or replace shaft timbers, install ladders and ladder landings and to clean out any caves that may be found on the 140-foot level south and on the 225-foot level. The work is for minimum access to sample and map the scheelite vein in the lower shaft workings.

GEOLOGY

The general geology of the area is shown on a quadrangle areal geology map accompanying U. S. G. S. Bulletin 879. The map indicates gabbro in the area surrounding the Cliff mine. None was observed during the examination. The vein wall rock is a granitic rock approximately the composition of a hornblende diorite. Many of the dumps contain fragments

of a silicified dense porphyritic dike rock. Although no dike rock was observed in place, some of the clay vein filling possibly is an alteration product of the porphyritic dike rock. At the north end of the explored vein area a flow of Columbia River basalt overlies the diorite and the possible north extension of the vein structure.

The vein structure comprises a major slickensided fault accompanied by several parallel lesser fractures. The zone of composite fractures strikes north to N. 05° E. and dips mainly about 85° east. The zone of fracture ranges from 3 to 5 feet wide. Mainly the vein matter and rock alterations products are confined to the central fissure, in most places from a foot to two feet wide.

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MINE WORKINGS

The principal development of the deposit is through a 225-foot near-vertical shaft and an adit drift 165 feet north of the shaft and about 25 feet above the level of the shaft collar. All of the mine openings were driven on the vein which strikes directly into a low hill. The adit drift gains only about 25 feet of depth at its face some 200 feet from the portal. The several shallow prospect shafts in this area have caved to the drift level, making only short segments of the drift accessible. The shaft workings are on four levels, two north and two south, which explore the vein a maximum strike distance of about 460 feet. The vein has been stoped through this strike distance to an average depth of about 75 feet. The deepest mining was done in the shaft in 1941 on the 140-foot level.

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Because of the time interval during which the shaft has been out of use and because the near vertical ladder has no landings, obviously the shaft now is dangerous to enter.

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No great difficulty is anticipated in rehabilitating the shaft. The principal problem will be installation of ladders and ladder landings. It should be possible to complete the job in 90 days.

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There are no buildings or mining equipment on the property. A small gasoline hoist with a shaft bucket and about 250 feet of cable would be required to service the shaft repair work. Also a mine car and about 50 feet of track would be needed at the surface. Other than these items the principal cost would be labor and mine timber. It should be possible to rent the hoisting equipment locally. The operator already has located used mining equipment which he believes could be rented for the job at a reasonable cost.

LABOR SUPPLY

Mine labor is not in demand in the Baker area because most of the mines are gold producers that have been idle for some time. The 3 men required for the proposed shaft rehabilitation probably could be recruited from the numerous prospectors in the area who earn subsistence living from odd jobs while attempting to maintain gold mines on a standby basis. There are no established wage scales for miners in the area.

TRANSPORTATION

The mine is about 6 miles from Baker. All but 2 miles is on oiled state highway. No access road is required for the proposed job. Workers should be able to commute from Baker.

COST OF PROPOSED SHAFT REHABILITATION

The cost of the shaft rehabilitation is estimated at $4,500. The following breakdown of estimated costs appears reasonable for the proposed work:

Labor	$1,820
Supervision (foreman as part of crew)	1,050
Supplies	1,000
Equipment rental	570
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COMPETENCE OF APPLICANT

The applicant is an elderly, one-time gold miner-prospector. At the time of the examination of the mine it was apparent that the applicant's abilities as a mine operator were limited. Nevertheless, because the mine definitely justifies investigation, the applicant was advised of an appropriate small rehabilitation program suitable for further D.M.A. consideration.

Because of the vagueness of the applicant's original proposal it was necessary for the examining engineer to outline the appropriate steps for the investigation and to prepare a detailed cost estimate for the rehabilitation job. The applicant agreed to the proposal and signed a contract for the proposed work. Subsequently he has revealed conclusively in oral discussion of the proposal and in a letter (exhibit A attached) that he is incompetent to supervise the proposed work and that he does not intend to perform the work in accordance with good mining standards.

DISCUSSION OF THE PROPOSAL

It is the opinion of the examining engineer that there is ample evidence to justify at least rehabilitation of the lower shaft workings. Thereafter, exploration should be contingent upon sampling and geologic mapping of vein exposures. Because of the question of competency of the operator it is not recommended that exploration be included in the initial contract. Furthermore, it is recommended that the applicant's contract for shaft rehabilitation be approved only if the applicant agrees to employ a competent supervisor (foreman) for the project.

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Baker Ore 8.18-51

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from either Spokane or Boise, Idaho. where it looks like we would have to get most of it.

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Very sincerly yours

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN--SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region 11

DMA 2081 Cliff Gold-Tungsten Mine

Baker County, Oreg.

J. W. Taber, Mining Engineer
U. S. Bureau of Mines

September 6, 1951

CLIFF-GOLD-TUNGSTEN MINE
Baker County, Oregon.

DMA Docket No. _____

by J. W. Taber (U. S. B. M.)

RECOMMENDATIONS

A minimum job of rehabilitating the 225-foot shaft is recommended. The project includes erection of a temporary head frame installing ladders and ladder landings throughout the shaft, and recovering and repairing timber in such caved sections as may be found on the 140-foot drift south and on the 225-foot level. The work recommended is the minimum required to permit access to the shaft lower workings for sampling and geologic study.

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DEPARTMENT OF INTERIOR
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DEFENSE MINERALS ADMINISTRATION

Report by Examination Tean
Region 11

DMA 2081 Cliff Gold-Tungsten Mine

Baker County, Oreg.

J. W. Taber, Mining Engineer
U. S. Bureau of Mines

September 6, 1951

CLIFF-GOLD-TUNGSTEN MINE
Baker County, Oregon.

DMA Docket No. _____

by J. W. Taber (U. S. B. M.)

RECOMMENDATIONS

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There are three jobs to be preformed namely top man and two in the shaft. and I propose to start installing the laders at the 140 ft level where it is bulkheaded and caved, and continue placing laders to surface then if we can get to bottom comence there and connect laders at 140 ft level in this way one man can have laders to stand on at his end of the stulls (orsprags) to which the laders are fastened while the third man will have to use a bucket at the other end of the stulls and at that point wedge them secure. This bucket job is the most dangerous and difficult so will cause the most trouble to get a man to do. Also the blocking should be placed so they will tighten with down pressure, so I propose to take this bucket job which I think will help asure continuous work. The contract states that equipment shall be rented I have a mine car 100 ft of iron track a bucket wheelbarrow and all necessary small tools to complete the job so we would only need a hoist cable bell and some rope There is a hoist here that I can buy that they will guarantee. it is a gasoline powered rig and just what I want for future prospecting, so if it is agreable to you I will furnish all the equipment at a rental for less than we can get it

from either Spokane or Boise, Idaho. where it looks like we would have to get most of it.

I would like to have supervision under exibit D changed so I can work and place the men to the best advantage.

I consider the top job the easiest to fill, next the man who works on the laders at the end of stulls and the least desirable and hardest to get men to do it the job in the bucket. I want this job for I believe it will assure more steady work, and assure the proper blocking and wedging. J. T. Taylor I hope you can approve of this chang Baker Ore

Very sincerlly yours

UNITED STATES
DEPARTMENT OF INTERIOR
OSCAR L. CHAPMAN-SECRETARY

DEFENSE MINERALS ADMINISTRATION

Report by Examination Team
Region 11

DMA 2081 Cliff Gold-Tungsten Mine

Baker County, Oreg.

J. W. Taber, Mining Engineer
U. S. Bureau of Mines

September 6, 1951

CLIFF-GOLD-TUNGSTEN MINE
Baker County, Oregon.

DMA Docket No. _____

by J. W. Taber (U. S. B. M.)

RECOMMENDATIONS

A minimum job of rehabilitating the 225-foot shaft is recommended. The project includes erection of a temporary head frame installing ladders and ladder landings throughout the shaft, and recovering and repairing timber in such caved sections as may be found on the 140-foot drift south and on the 225-foot level. The work recommended is the minimum required to permit access to the shaft lower workings for sampling and geologic study.

THE APPLICANT

J. T. Taylor of Baker, Oreg. owns a one-half interest in the claims. Alma Williams of El Monte, Calif. owns the other one-half interest. Power of Attorney for disposition of the Williams interest has been assigned to Josephine M. Buchen of El Monte, Calif.

LOCATION OF DEPOSIT

The property in the Virtue Mining District consists of 2 unpatented lode claims known as the Bengall and the Provider. These claims are in sec. 32, T. 8 S., R. 41 E., W.M., Baker County, Oreg.

OWNERSHIP

The claims are held by location for which affidavit of assessment work performed by J. T. Taylor for 1951 is on record in the Baker County Courthouse.

HISTORY AND PAST PRODUCTION

The deposit first was explored during the Virtue district gold boom, about 1895 to 1900. Most of the mine openings were driven at that time. Thereafter the mine was idle until 1916, when it was reopened and a brief unsuccessful attempt made to mine scheelite ore. A second idle period was from 1917 to 1940. Kenneth Grabner of Ironside, Oreg., worked the mine briefly for gold ore in 1940-1941. Grabner attempted unsuccessfully to recover scheelite in a small gravity concentrator. The shaft workings have not been accessible since the hoist was removed in 1941.

Brief descriptions of the Cliff mine in early publications of the U. S. Geological Survey mention that about 165 tons of free milling gold ore containing 0.8 to 1 ounce gold to the ton was mined before 1900. There is no record of production from the 1916 operation. According to Grabner the 1940-41 operation yielded about 50 tons of hand sorted gold ore and about 140 lbs. of commercial scheelite concentrate the latter resulting from an experimental milling operation.

DESCRIPTION OF THE PROPOSAL

It is proposed to repair or replace shaft timbers, install ladders and ladder landings and to clean out any caves that may be found on the 140-foot level south and on the 225-foot level. The work is for minimum access to sample and map the scheelite vein in the lower shaft workings.

GEOLOGY

The general geology of the area is shown on a quadrangle areal geology map accompanying U. S. G. S. Bulletin 879. The map indicates gabbro in the area surrounding the Cliff mine. None was observed during the examination. The vein wall rock is a granitic rock approximately the composition of a hornblende diorite. Many of the dumps contain fragments

of a silicified dense porphyritic dike rock. Although no dike rock was observed in place, some of the clay vein filling possibly is an alteration product of the porphyritic dike rock. At the north end of the explored vein area a flow of Columbia River basalt overlies the diorite and the possible north extension of the vein structure.

The vein structure comprises a major slickensided fault accompanied by several parallel lesser fractures. The zone of composite fractures strikes north to N. 05° E. and dips mainly about 85° east. The zone of fracture ranges from 3 to 5 feet wide. Mainly the vein matter and rock alterations products are confined to the central fissure, in most places from a foot to two feet wide.

The vein material is quartz, said to contain free gold and locally containing scheelite. Quartz, which was observed in place, is in small lenses and stringers in the clay and brecciated wall rock occupying the central fissure.

The area north of the shaft and near surface, where most of the stoping has been done, is said to have contained little or no scheelite. The section of the vein south of the shaft and particularly in the deepest part explored is described by individuals familiar with these workings as containing 1 to 3 inch high-grade streaks of scheelite. Observation of the dumps with ultra-violet light apparently supports these testimonials. Significant amounts of scheelite were found only in the main shaft dump and there chiefly in that part last removed from the shaft. Sample pits dug to 4 feet deep in the sides of this dump revealed an abundance of fine scheelite particles as well as a few scattered specimens of quartz 1 to 2 inches in size, over half of which was scheelite. The scheelite was remarkably evenly distributed throughout

the dump rock exposed in the test pits. The shaft dump is estimated to contain 200 to 300 tons of rock, seemingly segregated only by the order of excavation. This dump is estimated to contain at least 0.5 percent WO_3. Considering that most of the vein quartz probably was sorted and removed it seems evident that a scheelite ore shoot of unusual grade must have been encountered in the lower shaft workings.

MINE WORKINGS

The principal development of the deposit is through a 225-foot near-vertical shaft and an adit drift 165 feet north of the shaft and about 25 feet above the level of the shaft collar. All of the mine openings were driven on the vein which strikes directly into a low hill. The adit drift gains only about 25 feet of depth at its face some 200 feet from the portal. The several shallow prospect shafts in this area have caved to the drift level, making only short segments of the drift accessible. The shaft workings are on four levels, two north and two south, which explore the vein a maximum strike distance of about 460 feet. The vein has been stoped through this strike distance to an average depth of about 75 feet. The deepest mining was done in the shaft in 1941 on the 140-foot level.

The shaft is single compartment, roughly 4.5 feet by 5.5 feet. It is timbered to about 40 feet below the surface. The timbers are in place but are rotten. Below 40 feet the timber is said to be only sprags mounting a timber slide and ladder. There are no ladder landings in the shaft. Observations by a light at night and by plumbing with a weighted tape indicated no obstructions to 132 feet. Grabner advised that he placed a bulkhead in the shaft at the 140-foot level, below which the shaft was open and in good condition at least another 40 feet.

Because of the time interval during which the shaft has been out of use and because the near vertical ladder has no landings, obviously the shaft now is dangerous to enter.

PROPOSED SHAFT REHABILITATION

No great difficulty is anticipated in rehabilitating the shaft. The principal problem will be installation of ladders and ladder landings. It should be possible to complete the job in 90 days.

EQUIPMENT AND FACILITIES

There are no buildings or mining equipment on the property. A small gasoline hoist with a shaft bucket and about 250 feet of cable would be required to service the shaft repair work. Also a mine car and about 50 feet of track would be needed at the surface. Other than these items the principal cost would be labor and mine timber. It should be possible to rent the hoisting equipment locally. The operator already has located used mining equipment which he believes could be rented for the job at a reasonable cost.

LABOR SUPPLY

Mine labor is not in demand in the Baker area because most of the mines are gold producers that have been idle for some time. The 3 men required for the proposed shaft rehabilitation probably could be recruited from the numerous prospectors in the area who earn subsistence living from odd jobs while attempting to maintain gold mines on a standby basis. There are no established wage scales for miners in the area.

TRANSPORTATION

The mine is about 6 miles from Baker. All but 2 miles is on oiled state highway. No access road is required for the proposed job. Workers should be able to commute from Baker.

COST OF PROPOSED SHAFT REHABILITATION

The cost of the shaft rehabilitation is estimated at $4,500. The following breakdown of estimated costs appears reasonable for the proposed work:

Labor	$1,820
Supervision (foreman as part of crew)	1,050
Supplies	1,000
Equipment rental	570
Small tools and miscellaneous	60
	$4,500

COMPETENCE OF APPLICANT

The applicant is an elderly, one-time gold miner-prospector. At the time of the examination of the mine it was apparent that the applicant's abilities as a mine operator were limited. Nevertheless, because the mine definitely justifies investigation, the applicant was advised of an appropriate small rehabilitation program suitable for further D.M.A. consideration.

Because of the vagueness of the applicant's original proposal it was necessary for the examining engineer to outline the appropriate steps for the investigation and to prepare a detailed cost estimate for the rehabilitation job. The applicant agreed to the proposal and signed a contract for the proposed work. Subsequently he has revealed conclusively in oral discussion of the proposal and in a letter (exhibit A attached) that he is incompetent to supervise the proposed work and that he does not intend to perform the work in accordance with good mining standards.

DISCUSSION OF THE PROPOSAL

It is the opinion of the examining engineer that there is ample evidence to justify at least rehabilitation of the lower shaft workings. Thereafter, exploration should be contingent upon sampling and geologic mapping of vein exposures. Because of the question of competency of the operator it is not recommended that exploration be included in the initial contract. Furthermore, it is recommended that the applicant's contract for shaft rehabilitation be approved only if the applicant agrees to employ a competent supervisor (foreman) for the project.

Copy

Baker Ore 8.18-51

Mr. M. E. Volin
U. S. Bureau of Mines
1207 N. Division
Spokane Wash

Dear Sir. I have just received the signed contracts from my partner in Calif. which I am enclosing

In the form contract page -1 - article 4 it stats that the work shall be preformed by the operator under his sole direction and control, but in exibit D under supervision it states how I am to serve.

There are three jobs to be preformed namely top man and two in the shaft. and I propose to start instaling the laders at the 140 ft level where it is bulkheaded and caved, and continue placing laders to surface then if we can get to bottom comence there and connect laders at 140 ft level in this way one man can have laders to stand on at his end of the stulls (or sprags) to which the laders are fastened while the third man will have to use a bucket at the other end of the stulls and at that point wedge them secure. This bucket job is the most dangerous and difficult so will cause the most trouble to get a man to do. Also the blocking should be placed so they will tighten with down pressure, so I propose to take this bucket job which I think will help asure continuous work. The contract states that equipment shall be rented I have a mine car 100 ft of iron track a bucket wheelbarrow and all necessary small tools to complete the job so we would only need a hoist cable bell and some rope There is a hoist here that I can buy that they will guarantee. it is a gasoline powered rig and just what I want for future prospecting, so if it is agreable to you I will furnish all the equipment at a rental for less than we can get it

from either Spokane or Boise, Idaho. where it looks like we would have to get most of it.

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Very sincerlly yours

Mr. J. T. Taylor
Baker, Oregon

Subject: DMA-2081
Re: Exploration Loan
Cliff Gold-Tungsten Mine

My dear Mr. Taylor:

This will acknowledge receipt of your application dated July 20, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2081 and referred to the Ferro Alloys Branch.

Kindly refer to DMA-2081 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2051

Date received 9-17-51

Participation

Name and address of applicant: J. M. Taylor, Partner (Owner) Alma Williams 1286 N. Mabury rept El monte, Calif

Date July 20-51

FILL IN THIS BLOCK

Date of application 7-20-51

Estimated cost $18,000

Mineral or metal Tungsten Scheelite

Percentage of Government participation 100%

Location of mine 6 mi NE of Bishop on Owens Lake Inyo Co. Calif

Date of filing MF-100 July 20-51

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. As per MF-100

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

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. None

9. How much money is applicant prepared to invest in proposed project? Not ~~Is it~~ sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. none

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See form MT 100

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area. 2 unpatented claims Bengal

*11. State the present and former names of the property, if any. Previously formerly the old mine

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

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

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. 2 25 ft shafts to 200 ft level

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

*16. History: See enclosed data and [illegible]

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

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

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

*17. Production: exact amt not known

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

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

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

(*a*) Describe the ore or mineral deposits briefly. 3 ft [illegible] vein mostly [illegible]

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

(*c*) Give estimated tonnage and grade of each class of ore reserves. don't [illegible]

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

(*f*) Cost of rental for equipment which the operator proposes to rent. none

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. none

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

(*i*) Cost of power, water, utilities, and any other items not provided for above. Prehaps 10 per day

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent. 4 to 5-months

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 [illegible] (Signature of authorized official)
(Date)	owner (Title)

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

*Same as footnote on page 1.

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

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA-2081

Date received 9-17-54

J. Maylor Baker Dra 1/2 Int
Alma Williams 1/2 Int
N Mayson Roof
El Monte Calif

Name and address of applicant

Date July 20-54

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: Gold & Shelite Tungsten
   (*a*) What are the chief mine, mill, or smelter products? dont know
   (*b*) What are the byproducts, if any? none
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts. 225 ft Prof I am sending answers this
   (*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. No Describe any pumping problems. Give size or productive capacity. dont know
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 10 M.
   (*b*) Mining district. Virtue.
   (*c*) Township, Section, Range. dont know
   (*d*) County, State. Baker Co. Ore is not
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:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production 50 not steady Produced tungsten during Passed 2 years
   If not in production or operation, estimated date when production will begin Will not 1954 Prof
6. Experience of operators: many years of mining & prospecting
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. I have had charge of Gold mines & many years of prospecting
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		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	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.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

Mineral Reserves:

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

(*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)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2081

Date received 9-17-51

Participation

Name and address of applicant: J. T. Taylor, Baker Ore, Alma Williams 1286 N. Maplewood Rd, Pleasantdale

Date 7-20-51

FILL IN THIS BLOCK

Date of application 7-20-51

Estimated cost $10,000.00

Mineral or metal Tungsten Gold

Percentage of Government participation

Location of mine Lodi N-E of Baker Ore 8/10 mi by road.

Date of filing MF-100 7-20-51

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. As given in M.F. 100

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

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. None

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Haven't any money to operate with.

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

(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.

*Same as footnote on page 1.

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2081

Date received 9-17-51

Participation

J. T. Maple & Baker Ore
Alma Williams 1285
N. Magnolia Ave
El Monte, Calif.

Name and address of applicant

Date 7-20-51

FILL IN THIS BLOCK

Date of application 7-20-51

Estimated cost $10,000.00

Mineral or metal Tungsten Gold

Percentage of Government participation 100%

Location of mine 6 mi. N.E. of Baker Ore and 10 mi. by road

Date of filing MF-100 7-20-51

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. As given in M.F. 100

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

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

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. no ne

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? haven't any money to operate with

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

16—64067-1

THE PROPERTY

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

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See Form NF 100

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

*11. State the present and former names of the property, if any. 2 unpatented claims [illegible]

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See N.F. 100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. none
State amount of power to be used, rate per hour or other cost, and source. don't know

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

15. State in detail how the ore could be shipped and how and where milled. [illegible] U.P. Ry at [illegible]

*16. History: See [illegible] data and map

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

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

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

*17. Production: exact amt not known

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

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

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

(*a*) Describe the ore or mineral deposits briefly. 3 to 6 ft vein mostly [illegible]

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

(*c*) Give estimated tonnage and grade of each class of ore reserves. don't know

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

(*f*) Cost of rental for equipment which the operator proposes to rent. none

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

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

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent. 4 to 5 mon

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 [illegible] (Signature of authorized official)
(Date)	owner (Title)

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

*Same as footnote on page 1.

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2081

Date received 9-17-57

Participation

Name and address of applicant: W. Taylor Baker Ore, Alma Williams 1285 N. Madison Rd, Elmonte Calif.

Date 7-20-57

FILL IN THIS BLOCK

Date of application 7-20-57

Estimated cost

Mineral or metal Tungsten Gold

Percentage of Government participation

Location of mine Lynch-E of Baker Ore and 10 ore bypass

Date of filing MF-100 7-20-15

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See Form MF-100

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

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

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

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
    State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
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    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
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    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

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

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

(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.

*Same as footnote on page 1.

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

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] J. T. Taylor of Baker, Ore. and Alma Williams of El Monte, California

hereinafter called the "Operator," as follows:

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

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Oregon, County of Baker described as follows: [3] Two unpatented lode mining claims known as the Bengall and Provider claims, ~~known~~ and otherwise known as the Cliff mine, located in sec. 32, T. 8 S., R. 41 E. Willamette Meridian

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

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

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

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Ninety (90) days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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

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

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

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

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

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

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

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

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

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

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $3375.00, which is 75 percent of the agreed estimated total cost of this project, $4500.00.

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

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

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

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

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

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

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

Executed in sextuplicate the day and year first above written.

J. T. Taylor (Operator)

By Alma Williams

Alma Williams

Josephine M. Bucher

THE UNITED STATES OF AMERICA

By

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

Exhibit A

Purpose of Work

To rehabilitate shaft and lower shaft levels (140 foot level and short levels said to be below 140 foot level) sufficient to permit access for sampling and geologic studies.

Work proposed

1. Construct minimum size shaft headframe and install small hoist for lowering supplies and hoisting waste materials accumulated in shaft and on shaft levels.

2. Repair or replace shaft timbers as required and install ladders and ladder landings from surfact to bottom of shaft - said to be 225 feet.

3. Remove rock caves and accumulated debris from shaft and shaft levels above mentioned, and make such timber repairs as are required for temporary access to these levels.

Estimated cost

labor	$1820.00
Supervision (foreman as part of crew).....	1050.00
Supplies and materials	1000.00
Equipment rental	570.00
Small tools & misc.	60.00
Total	$4500.00

Exhibit B

No fixtures or improvements involved.

Exhibit C

Operating equipment to be rented:

Gasoline powered hoist with cable & shaft bucket
3 months @ $190 ..... $570.

Exhibit D

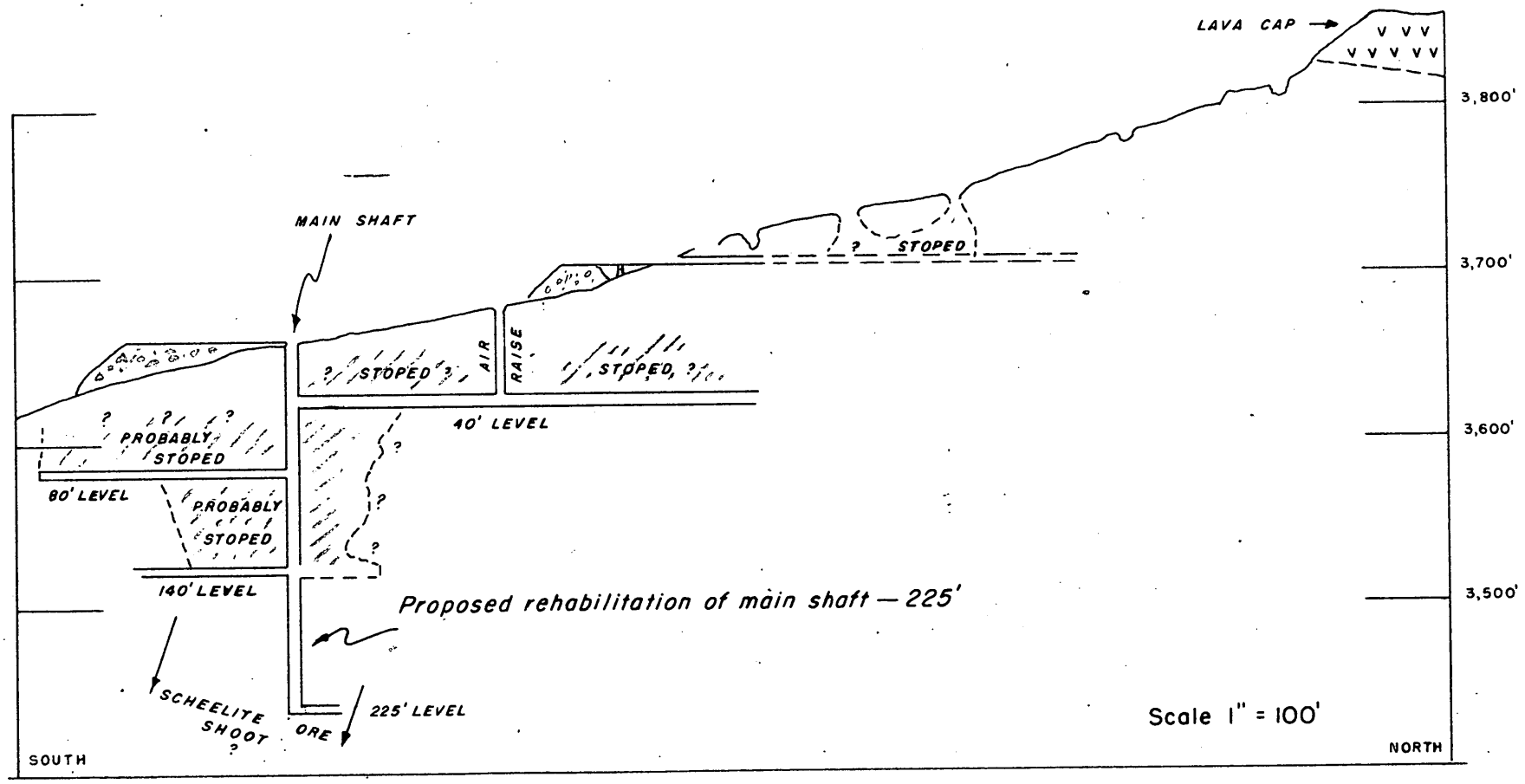
Labor	90 day period - 70 working days		
	1 miner @ $14.00/ day 70 days	$980.	
	1 underground laborer @$12.00/day 70 days	840.	
			$1820.
Supervision			
	1 foreman (serve as combination hoistman and surface man) @$15/day 70 days	1050.	1050.
	Tot.		$2870.

Exhibit E

Entire work proposal comprises rehabilitation for access to lower shaft workings. No actual exploration is to be undertaken on any of these levels or in the shaft under the terms of this contract.

U. S. Department of the Interior

Bureau of Mines, D.M.A Docket No ____



Cliff Tungsten Mine, Baker County, Oregon.

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

J. T. Taylor of Baker, Ore. and Alma Williams of El Monte, California

hereinafter called the "Operator," as follows:

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

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Oregon, County of Baker described as follows: [3] Two unpatented lode mining claims known as the Bengall and Provider claims, known and otherwise known as the Cliff mine, located in sec. 32, T. 8 S., R. 41 E. Willamette Meridian

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

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

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

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Ninety (90) days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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

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

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

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

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

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

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

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

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

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

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $3375.00, which is 75 percent of the agreed estimated total cost of this project, $4500.00.

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

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

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

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

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

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

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

Executed in sextuplicate the day and year first above written.

J. T. Taylor
J. T. Taylor (Operator)

By Alma Williams
Alma Williams

Josephine M. Duchen

THE UNITED STATES OF AMERICA

By _____

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

Exhibit A

Purpose of Work

To rehabilitate shaft and lower shaft levels (140 foot level and short levels said to be below 140 foot level) sufficient to permit access for sampling and geologic studies.

Work proposed

1. Construct minimum size shaft headframe and install small hoist for lowering supplies and hoisting waste materials accumulated in shaft and on shaft levels.

2. Repair or replace shaft timbers as required and install ladders and ladder landings from surfact to bottom of shaft - said to be 225 feet.

3. Remove rock caves and accumulated debris from shaft and shaft levels above mentioned, and make such timber repairs as are required for temporary access to these levels.

Estimated cost

labor	$1820.00
Supervision (foreman as part of crew).....	1050.00
Supplies and materials	1000.00
Equipment rental	570.00
Small tools & misc.	60.00
Total	$4500.00

Exhibit B

No fixtures or improvements involved.

Exhibit C

Operating equipment to be rented:

Gasoline powered hoist with cable & shaft bucket
3 months @ $190 ..... $570.

Exhibit D

Labor	90 day period - 70 ~~mm~~ working days		
	1 miner @ $14.00/ day 70 days	$980.	
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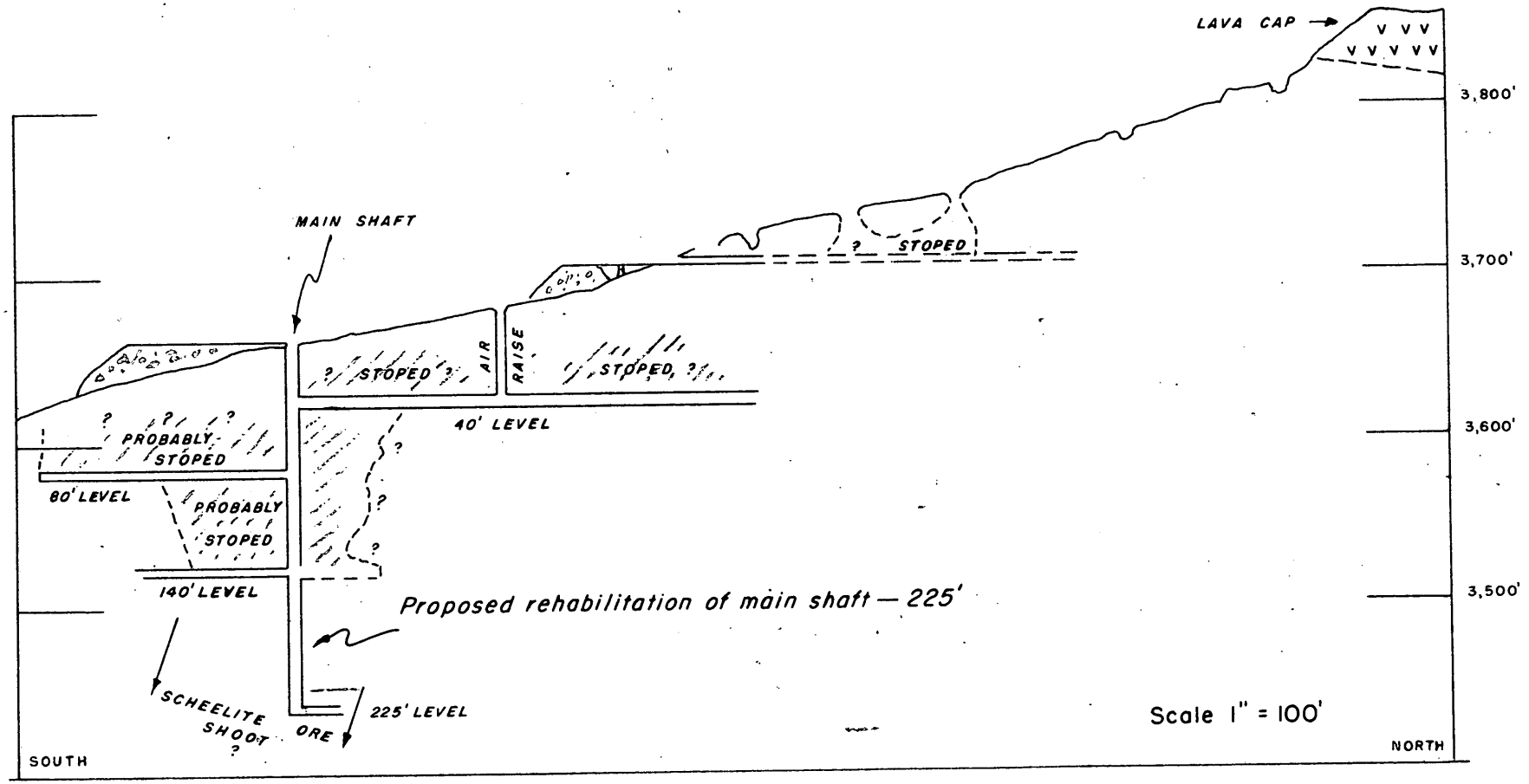
Entire work proposal comprises rehabilitation for access to lower shaft workings. No actual exploration is to be undertaken on any of these levels or in the shaft under the terms of this contract.

U. S. Department of the Interior

Bureau of Mines, D.M.A Docket No ____



Cliff Tungsten Mine, Baker County, Oregon.

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

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DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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Executed in sextuplicate the day and year first above written.

J. T. Taylor (Operator)

J. T. Taylor

By Alma Williams

Alma Williams

Josephine M. Bucher

THE UNITED STATES OF AMERICA

By

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

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Purpose of work

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1. Construct minimum size shaft headframe and install small hoist for lowering supplies and hoisting waste materials accumulated in shaft and on shaft levels.

2. Repair or replace shaft timbers as required and install ladders and ladder landings from surfact to bottom of shaft - said to be 225 feet.

3. Remove rock caves and accumulated debris from shaft and shaft levels above mentioned, and make such timber repairs as are required for temporary access to these levels.

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Supervision (foreman as part of crew).....	1050.00
Supplies and materials	1000.00
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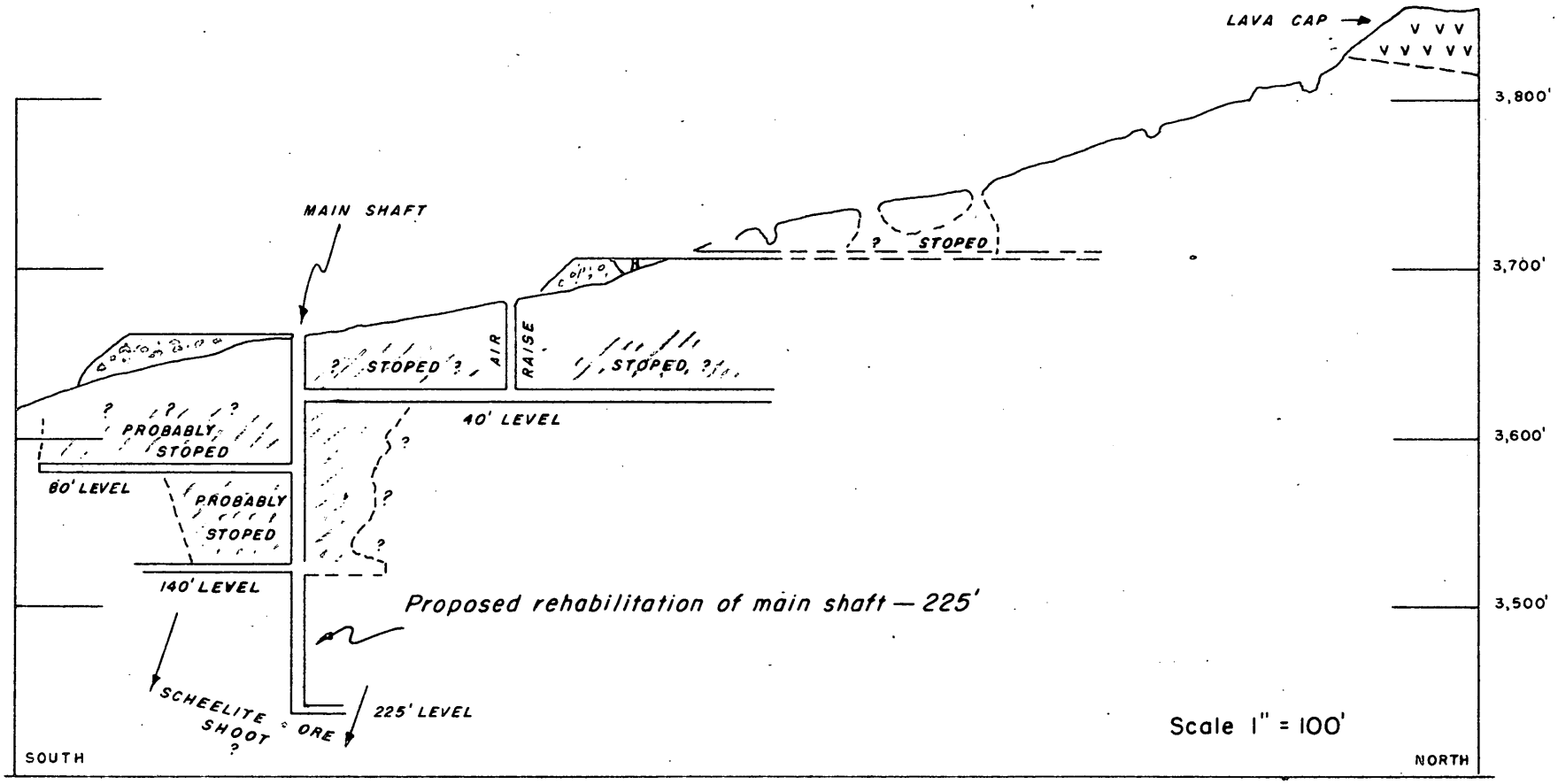
U. S. Department of the Interior

Bureau of Mines, D.M.A Docket No ____



Cliff Tungsten Mine, Baker County, Oregon.

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

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DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $3375.00, which is 75 percent of the agreed estimated total cost of this project, $4500.00.

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

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

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

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

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

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

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

Executed in sextuplicate the day and year first above written.

J. R. Naylor
(Operator)

By Alma Williams

Alma Williams

Josephine M. Bucher

THE UNITED STATES OF AMERICA

By

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

Exhibit A

Purpose of work

To rehabilitate shaft and lower shaft levels (140 foot level and short levels said to be below 140 foot level) sufficient to permit access for sampling and geologic studies.

Work proposed

1. Construct minimum size shaft headframe and install small hoist for lowering supplies and hoisting waste materials accumulated in shaft and on shaft levels.

2. Repair or replace shaft timbers as required and install ladders and ladder landings from surfact to bottom of shaft - said to be 225 feet.

3. Remove rock caves and accumulated debris from shaft and shaft levels above mentioned, and make such timber repairs as are required for temporary access to these levels.

Estimated cost

labor	$1820.00
Supervision (foreman as part of crew).....	1050.00
Supplies and materials	1000.00
Equipment rental	570.00
Small tools & misc.	60.00
Total	$4500.00

Exhibit B

No fixtures or improvements involved.

Exhibit C

Operating equipment to be rented:

Gasoline powered hoist with cable & shaft bucket
3 months @ $190 ..... $570.

Exhibit D

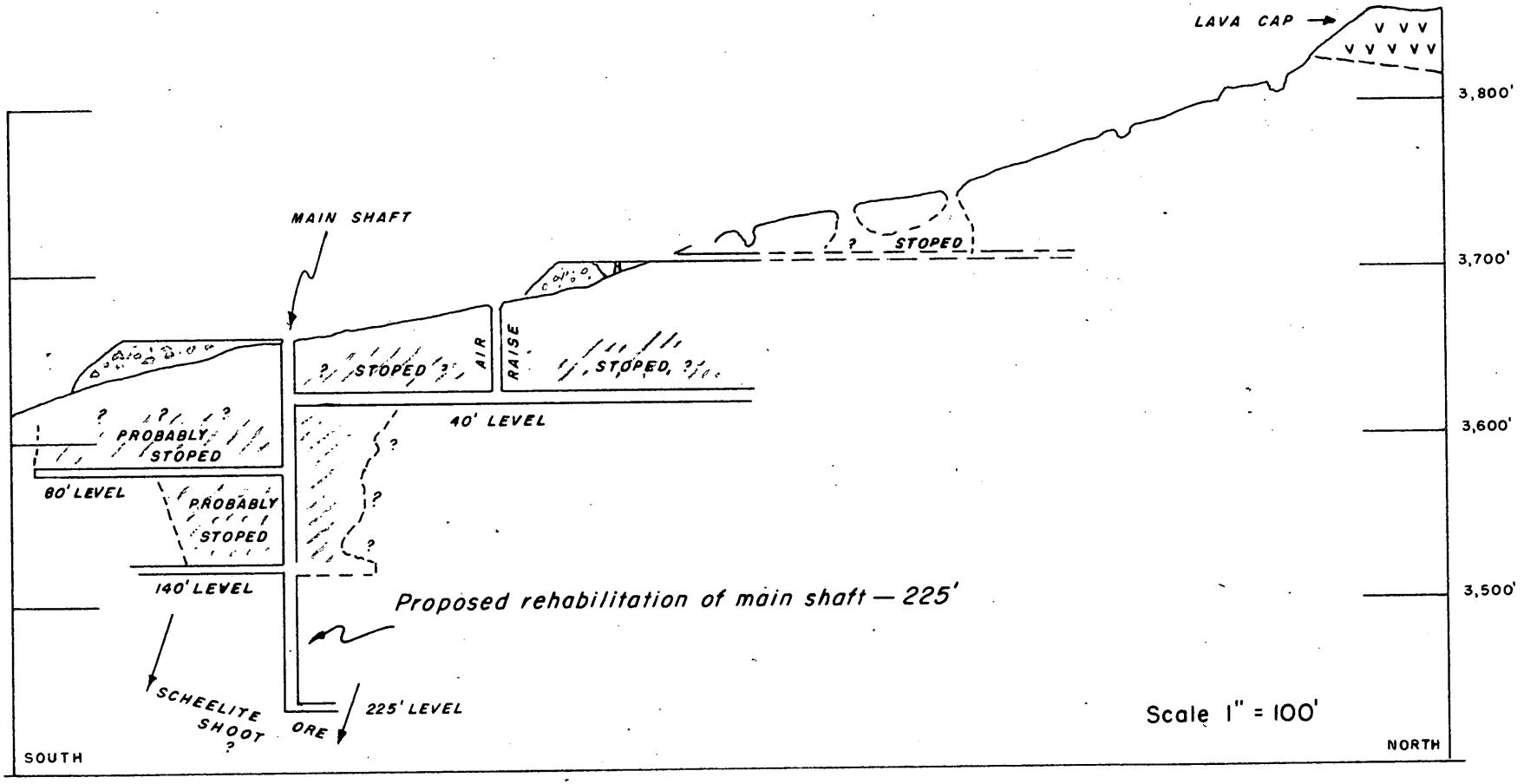
Labor	90 day period - 70 working days		
	1 miner @ $14.00/ day 70 days	$980.	
	1 underground laborer $12.00/day 70 days	840.	
			$1820.
Supervision			
	1 foreman (serve as combination hoistman and surface man) @$15/day 70 days	1050.	1050.
	Tot.		$2870.

Exhibit E

Entire work proposal comprises rehabilitation for access to lower shaft workings. No actual exploration is to be undertaken on any of these levels or in the shaft under the terms of this contract.

U. S. Department of the Interior

Bureau of Mines, D.M.A Docket No ____



Cliff Tungsten Mine, Baker County, Oregon.

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

J. T. Taylor of Baker, Ore. and Alma Williams of El Monte, California

hereinafter called the "Operator," as follows:

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

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Oregon, County of Baker described as follows: [3] Two unpatented lode mining claims known as the Dungall and Prospector claims, known and otherwise known as the Cliff mine, located in sec. 36, T. 8 S., R. 41 E., W. M., Baker County

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

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

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

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Sixty (60) days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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

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

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

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

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

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

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13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $3375, which is 75 percent of the agreed estimated total cost of this project, $4,500.

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

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

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Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

J. M. Cagle

(Operator)

By

By Alma Williams

Josephine M. Bucher

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

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Equipment rental	570.00
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3 months @ $190 ..... $570.

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1 miner @ $14.00/ day 70 days ..... $980.
1 underground laborer $12.00/day
70 days ..... 840. $1820.

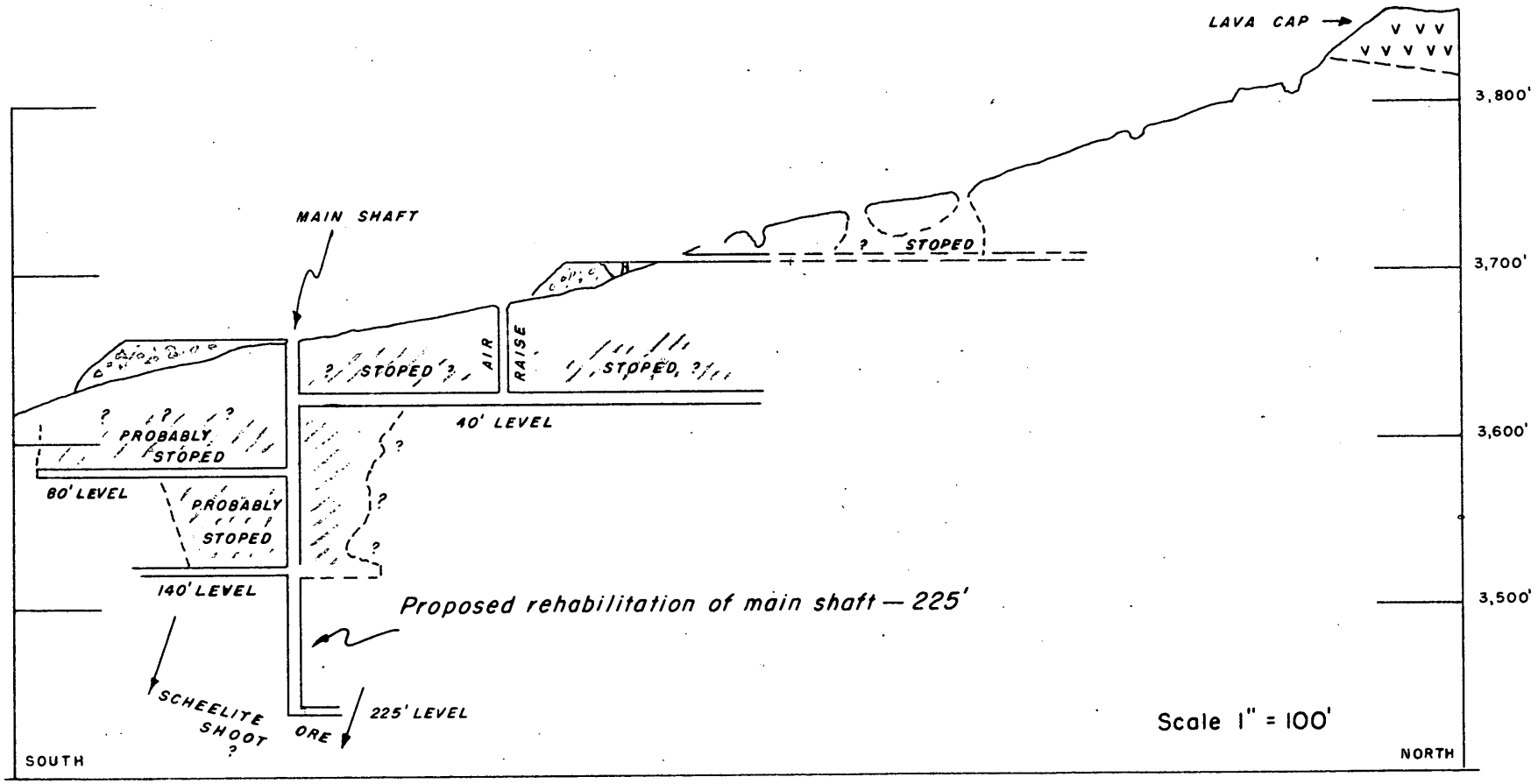
Supervision
1 foreman (serve as combination hoistman and surface man) $15/day
70 days ..... 1050. 1050.
Tot. $2870.

Exhibit E

Entire work proposal comprises rehabilitation for access to lower shaft workings. No actual exploration is to be undertaken on any of these levels or in the shaft under the terms of this contract.

U. S. Department of the Interior

Bureau of Mines, D.M.A Docket No ____



Cliff Tungsten Mine, Baker County, Oregon.