DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMEA XDMA Docket No. 2290

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
No. 157 Howard Street
Spokane 4, Washington

dmea 2990

March 2, 1953

Denied 10/1/52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 6 1953

Mr. Terry T. Alstein
c/o Gordon C. Smith
125 Court House
Boise, Idaho

Re: Docket No. [illegible]-2990
Springs Claims
Valley County, Idaho

Dear Mr. Alstein:

In compliance with your letter of January 11, 1953, and with reference to our reply of February 13, 1953, I am returning herewith from our Washington Office the ~~original or two~~ copies of the lease and option agreement and maps submitted with your application.

Very truly yours,

James J. Quinlan
for A. F. Weissenborn
Executive Officer,
Field Team, Region [illegible]

Enclosures (2)
[illegible]
[illegible]
[illegible]

400

WSM

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Jackson Street
Spokane 1, Washington

February [illegible], 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1[illegible] 1953

Mr. [illegible]
c/o [illegible]
105 Court House
Boise, Idaho

Re: Docket No. [illegible]

Dear Mr. [illegible]:

In reply to your letter of February 7, 1953, I am returning herewith from our files a copy of the lease and option agreement and [illegible] submitted with your [illegible] application. Additional copies of the lease and option agreement and [illegible] were forwarded to Washington, D. C. when your application was being considered. If you desire that the additional copies of the lease and option agreement and [illegible] be returned, please advise and we will obtain them from Washington, D. C.

Very truly,

[illegible]
For: [illegible]
Executive Officer, [illegible]
Field Team, Region [illegible]

Enclosure

cc: [illegible] (2)
[illegible] A (2)
Quinlan

OCT 6 1952

Mr. Gordon G. Smith
105 Court House
Boise, Idaho

Re: Docket No. DMMA 2290 - Tungsten
Henry T. Abstein & Gordon G. Smith
Syringa Claims (Wilson Tunnel)
Profile Gap Area
Valley County, Idaho

Dear Mr. Smith:

Your request for exploration assistance and other reports concerning the Wilson property available to us in Washington have been carefully reviewed.

This information, although noting the occurrence of a small amount of scheelite in limestone inclusions and in lesser amounts in lamprophyre dikes all included in an igneous complex, indicates to us that the probability of disclosing minable reserves of tungsten ore by your proposed exploration program is not sufficiently promising to justify Government participation. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention.

FARutledge:lm
9/30/52

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Admn. Reading File
Docket
R. W. Gechan, USBM
D. M. Lemmon, USGS
Field Team Reg. II
Operating Committee
G. C. Selfridge
F. A. Rutledge

Administrator, DMEA

Sept. 30, 1952

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $25,000.00
Docket No. DMEA 2290 - Tungsten
Henry T. Abstein and Gordon C. Smith
Syringa Claims (Wilson Tunnel)
Profile Gap Area, Valley County, Idaho

The denial of the subject application by this Division is based on the following information:

1. The applicant proposes to extend the Wilson tunnel 175 feet to cut the "Scheelite", "Pathfinder", and "Jumbo" veins. Field evidence indicates that the limestone inclusion forming the "Scheelite vein" dips northwest and the Wilson tunnel would have to be extended 150 to 220 feet to intersect the so-called Scheelite vein alone.

2. The scheelite occurring in the limestone of the Scheelite vein is too spotty in its distribution to be of economic interest. The grade is too low also. Of the two check samples taken by the field team, one contained 0.08 percent WO_3 and the other 0.27 percent WO_3. The last was representative of the best deposit which has a width of 15 feet and length of approximately 50 feet.

   A weighted average of 12 samples taken by the applicants is 0.28 percent WO_3.

3. No lead, zinc or copper exploration targets of interest were noted in the so-called Pathfinder and Jumbo veins. However, several small siliceous lenses containing galena and sphalerite were seen within the interlacing lamprophyric dikes. One of these lenses, 12 inches long and 2 to 4 inches wide, contained scheelite.

4. The results of a field examination by J. J. Quinlin and E. N. Roseboom, U. S. Geological Survey, indicate the application should be denied.

5. The field team recommends denial.

6. The Commodity Division of the U. S. Geological Survey recommends denial.

George C. Selfridge

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

FAEtlodge'lm
9/30/52

cc: Adm. Reading File
Docket
G. C. Selfridge
F. A. Etlodge

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

September 25, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 2290 - Tungsten
Henry T. Abstein and Gordon C. Smith
Syringa Claims (Willison Mine)
Profile Gap, Valley County, Idaho

Dear Mr. Johnson:

This will acknowledge your letter of September 15, 1952, inquiring into the status of the Field Team report and recommendation on the subject property. On checking our files, I find that the report on this property was mailed to you on September 17, 1952.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM(1)

IN REPLY REFER TO:

C-MD-OF

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

407

September 26, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon

Subject: Field report DMEA 2290 - Tungsten
Willson property (Syringa Group)
Henry Abstein and Gordon Smith
Profile Gap, Valley County, Idaho

J. J. Quinlan and E. H. Roseboom of the Geological Survey spent 3 days between July 31 and August 4, 1952 examining this property. Their report, dated August 28, recommends denial of the application because the scheelite occurrences are too small and too low grade to warrant exploration.

The geologists took no samples but quote 2 samples taken by H. T. Ross of the Bureau of Mines. These samples assayed 0.27 percent WO_3 and 0.08 percent WO_3.

I concur with the Field Team recommendation that the application be denied.

D. M. Lemmon

DMLemmon:gt

(40)

Cleared
Three O.L

So. 157 Howard Street
Spokane 4, Washington

September 17, 1952

Memorandum

To: Frank E. Johnson, Chairman, DMEA Operating Committee

From: Field Team, Region II

Subject: Field Examination, DMEA Docket No. 2290 (Tungsten), Henry Abstein and Gordon Smith, Wilson property, Valley County, Idaho.

Enclosed are the original and three copies of a memorandum report by J. J. Quinlan and E. H. Roseboom, Geologists, U. S. Geological Survey, on the subject application for exploration assistance.

The Field Team concurs with the examining engineers and recommends that the application be denied. The scheelite is too spotty in its distribution to be of economic interest.

By DMEA Field Team, Region II

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Thor H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

cc: USBM (2)
Quinlan

JJQ/iml

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

WASHINGTON 25, D.C.

SEP 30 1952

BCL 9/30/52

August 28, 1952

Memorandum

To: A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II

From: J. J. Quinlan and E. H. Roseboom, Geologists, U. S. Geological Survey

Subject: Field Examination, DMEA Docket No. 2290(Tungsten), Henry Abstein and Gordon Smith, Wilson property, Valley County, Idaho.

Introduction

The subject examination was made between July 31, 1952 and August 4, 1952, in connection with an application for exploration assistance made by Henry T. Abstein of Yellow Pine, Idaho and Gordon C. Smith of Boise, Idaho.

Three days were spent in examining the property and near-by Glasgow claims. The examining team was accompanied by Henry Abstein on the first morning of the examination and by Earl Willson on the first evening when preliminary lamping was done.

Recommendations

It is recommended that the application be denied. The scheelite is too spotty in its distribution to be of economic interest. No lead, zinc, or copper exploration target of interest was noted.

Location and Access

The Wilson property (Syringa Group of Claims) is near Profile Gap, approximately 8 miles northeast of Yellow Pine, Idaho. The Yellow Pine-Big Creek road crossed the property. This road is closed by heavy snow about 7 months of the year. Cascade, Idaho, the nearest shipping point is 74 miles southwest of the property.

Reviewed by
DMEA OPERATING COMMITTEE
9/26/52
(date)

The Syringa Claims are in Sec. 24, T. 20 N., R. 8 E., and Sec. 19, T. 20 N., R. 9 E., Valley County, Idaho.

Ownership

The Syringa, Syringa No. 1, Syringa No. 2, Syringa No. 3, Syringa No. 4, Syringa No. 5 and Syringa No. 6 quartz lode mining claims are owned by Earl Willson of Yellow Pine, Idaho, Edward E. and Josephine Willson of Napa, California, and Hattie and Ruth Henderson of Portland, Oregon. These claims are held under a lease and option agreement by Henry Abstein of Yellow Pine, Idaho, one of the applicants.

Henry Abstein and Gordon Smith are owners of the Syringa No. 7 claim.

History and Past Production

The Wilson property was located by Sam Willson about 55 years ago. Mr. Willson held the claims until his death in 1934. The present owner of the Syringa and Syringa No. 1 to No. 6 claims are heirs of Sam Willson. (The property is designated as the "Wilson property" in previous government reports, although the owners spell their name "Willson.)

So far as is known, there has been no production from the property.

Mine Workings

Underground mine workings consist of the Sam Wilson tunnel (crosscut adit) 570 feet long, another adit, 200 feet long, and the Sam Wilson shaft, 30 feet deep. The Sam Wilson tunnel and shaft are shown on the map accompanying this memorandum, and are the only underground workings on the applicant's claims in the vicinity of the proposed exploration. The Glasgow tunnel just south of the applicant's claim was also inspected. These underground workings were driven to explore for precious and base metals.

Several pits and trenches along a large limestone inclusion band have been made to explore the tungsten possibilities of the property.

Financial and Administrative Competence of the Applicants

Mr. Abstein and Mr. Smith are elderly gentlemen with many years of mining experience. Mr. Abstein is a prospector and miner. Mr. Smith is a mining engineer. These men would jointly supervise the project, contracting the underground exploration.

Mr. Abstein and Mr. Smith are considered competent to conduct an exploration project.

Geology

The geology of the Wilson property and Profile Gap area is described by Shenon 1/ This work served as a basis for our examination.

The Profile Gap area is best described as an igneous complex containing discontinuous bands of sedimentary rocks. The area is principally underlain by granodiorite of the Idaho batholith, which is locally highly altered and silicified. The altered granodiorite is cut by numerous dikes and irregular bodies of quartz latite porphyry, quartz diorite, granodiorite, lamprophyre, and rhyolite. Inclusions of Paleozoic limestone, argillite, and quartzite occur within this igneous complex. Patches of volcanic rocks related to the Challis volcanics (Tertiary) also occur in the area.

Numerous quartz veins up to several feet in width and generally striking North to N. 20° E. traverse the area. Most of these veins are discontinuous and cannot be traced for more than a few hundred feet. The Don Pedro vein is the most persistent of these veins and has been traced for over 900 feet. It attains a maximum width of 20 feet, however, for much of its length it is less than a foot wide. Locally, the quartz veins contain varying amounts of galena, sphalerite, chalcopyrite, pyrite and gold. However, these veins are not of economic interest,

Tungsten

Three types of tungsten occurrences were noted: (1) scheelite associated with limestone inclusions, (2) scheelite associated with lamprophyric dikes, (3) scheelite associated with a quartz stringer.

The best tungsten showings occur in limestone inclusions. The principal inclusion is a limestone band 80 to 100 feet wide and 800 feet long, that strikes N. 20° E. and dips 70° to 90° NW. This limestone band is not a simple structure; three distinct and gradational rock units being recognized. The hanging wall portion, 20 to 30 feet wide, is argillaceous limestone with lenses of sedimentary breccia. The central portion, 20 to 30 feet wide, is marble with sparse amounts of epidote and diopside. The footwall portion, 30 to 50 feet wide, and the southern end of the inclusion is highly altered argillaceous limestone which grades into altered granodiorite of the Idaho batholith, (see geologic map.)

This band of limestone is cut off on the northwest by a large quartz latite porphyry dike which contains interlacing lamprophyric dikes.

1/ Shenon, P. J., Ross, C. P., Geology and Ore Deposits near Edwardsburg and Thunder Mountain, Idaho, Idaho Bureau of Mines and Geology Pamphlet No. 44, 1936.

This zone represents a large shear zone striking N. 20° E. to N. 30° E. The shear zone contains minor marble inclusions north of the limestone band. None of these inclusions are more than a few feet square in area.

Scheelite occurs as thin stringers in a 1 to 2 inch wide discontinuous bands and as disseminated specks within the marble zone of the limestone inclusions. Lamping showed the scheelite to be very spotty and erratic in distribution. The best scheelite showings were found in the small inclusions within the large shear zone north of the principal limestone band. The scheelite within the principal band was confined to the north end of the band near its intersection with the shear zone, (see geologic map for scheelite distribution.)

It was evident that the applicants trenches were dug where lamping had indicated the best scheelite and the applicants sampling was confined to this area. Outside the trenches and along the road between trenches very little scheelite was noted. Mr. Reno, U. S. Bureau of Mines cut two samples to check the applicant's sampling. These samples are shown on the map accompanying this report.

Scheelite was noted in two places along the quartz latite-lamprophyric dike zone, (see map for locations.) Several small silicious lenses containing galena and sphalerite were seen within the interlacing lamprophyric dikes. One of these lenses, 12 inches long and 2 to 4 inches wide contained scheelite. At one other place scheelite was seen as fine disseminated specks within a lamprophyric dike. This disseminated zone could not be traced any distance. Where exposed it was approximately 6 feet wide. Mr. Earl Willson reported that a sample from this zone assayed 0.05 percent WO_3.

A 1 inch quartz stringer 25 feet back of the face in the Glasgow tunnel showed some fine specks of scheelite. None of the other quartz veins examined contained scheelite.

Evaluation of Proposal

The applicant proposes to extend the Wilson tunnel (crosscut adit) N. 75° W. approximately 175 feet to cut the "Scheelite", "Pathfinder" and "Jumbo" veins, then drift north and south on the "Scheelite" vein to the limits of mineralization.

The "Scheelite" vein is the large limestone inclusion. The application states that the "Scheelite" vein dips 80° to 85° east and will be cut by extending the tunnel 50 to 80 feet. Field evidence indicates that the limestone inclusion strikes N. 20° E. and dips 70° to 90° NW; if this is correct the Wilson tunnel will have to be extended 150 to 220 feet to intersect and crosscut this inclusion. This proposed program is not feasible because the scheelite within this

limestone inclusion is too spotty to be of economic interest. The inclusions within the shear zone north of the main limestone inclusion are small and erratic in distribution, and not numerous enough to be of economic importance. The locating of any of these small inclusions by underground exploration would be governed by chance.

No veins corresponding to the applicant's Pathfinder and Jumbo veins were seen by the DMEA examiners. Discussion with the applicants revealed that the ore lenses within the lamprophyric dike zone represents these veins. The lenses are too spotty and erratic indistribution to be of economic interest.

J. J. Quinlan

E. H. Roseboom

cc: DMEA(4)
USBM(2)
USGS(SRO)
Quinlan

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

Mr. A. H. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMRA 2298 - Tungsten
Henry T. Abstein and Gordon C. Smith
Syringa Claims (Willson Mine)
Prairie Spr. Valley County, Idaho

Dear Mr. Weissenborn:

Reference is made to the subject docket. According to our records your office planned to contact Mr. Smith early in July and arrange for a field examination of the Syringa property.

In view of the location of the property and the need for an examination this season, we wish to know if such an examination has been made. If the examination has been completed, it will be appreciated if you could give us some idea when the field team report and recommendation may be expected.

Sincerely yours,

Frank E. Johnson

Chairman, Operating Committee

FAButledge:lm
9/10/52

Approved:

J. H. Hedges

Bureau of Mines

T. P. Thayer

Geological Survey

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. II
Operating Committee
W. S. Martin
F. A. Butledge

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

400

[illegible] Street
[illegible], [illegible]

June 23, 1952

Amen 2290

Mr. [illegible] Smith
[illegible] Court House
Boise, Idaho

Dear Mr. Smith:

This office plans to have an officer in the Silver County area of Idaho during the first week in July. At that time he will contact your office and arrange an examination of your [illegible] property in the Silver Lake area.

[illegible] contact with you [illegible],

Very truly yours,

[illegible]
[illegible]
Executive Officer,
[illegible], Region [illegible]

cc: [illegible]
[illegible] ✓

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 27 1951

FEB 12 1952

Mr. Harry T. Abstein
Mr. Gordon C. Smith
105 Court House
Boise, Idaho

Re: Docket No. DMEA 2290X - Tungsten
Willson Mine - Syringa Claims
Valley County, Idaho

Gentlemen:

Your application for assistance in exploring the Willson mine and Syringa claims in Valley County, Idaho, Docket No. DMEA 2290X, has been referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington, for a field examination when weather and snow conditions permit.

The Regional Office will contact you at an early date in regard to an examination of your property. Any assistance that you can render the field team during the examination will be appreciated.

Sincerely yours,

G. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

OGGentry'lm
2/4/52

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

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

149A

FEB 12 1952

Mr. A. D. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Dear Sir:

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

Applicant Henry T. Abstein and Gordon C. Smith

Docket No. 2290

Commodity Tungsten

Amount $ 25,000.00

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

Sincerely yours,

C. O. Mittendorf

ACTING Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2290

Commodity Tungsten

Total Amount $25000.00

Govt. Participation $18750.00

1. Name and Address of Applicant Henry T. Abstein and Gordon C. Smith
105 Court House, Boise, Idaho

2. Location of Property Section 24, T. 20 N. R. 8 E - Big Creek quadrangle
" 19 T. 20 N. R. 9 E
Willson Mine - Syringa Claims - Valley County, Idaho

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

If not, application will be rejected.

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

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

a) ~~Good~~ Fair

b) Poor

c) None

d) Don't know—needs field examination Requires Field Examination

e) Is there an alternative and favorable project? Unknown
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

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

productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? 4 copies have been Received. Field Team Region II

b) MF-202 have Written Applicant Requesting 2 additional Copies.

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

a) Available manpower Man power is short in this Area and this question Should be Checked by the Field Team.

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

c) Accessibility (question 12)* Roads probably poor

d) Water (question 13)* unknown

e) Power (question 13)* "

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

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

To be Checked by Field Team

Is a field check needed on this point? Yes

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

a) Is the project adequately described? Will Require further details

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

b) Is there an adequate map or sketch of the proposed work?

Proposed Work should be detailed on an adequate map

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

If not, what part of it is?

Is this part a worthwhile exploration project? Unknown

d) Are the cost estimates detailed? Not sufficiently detailed

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

e) Are the cost estimates reasonable? Unknown

f) Should more information be requested from applicant? Yes

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

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

c) Is a field check needed? Yes

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable? Unknown

d) Is a field check needed? Yes

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

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? Not detailed

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

d) Are the proposed wages and salaries reasonable? "

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? Unknown

d) Field check needed? Yes

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? The Scheelite mineralization appears to be spotty. Preliminary Geological map, showing Ore occurances, together with Check Sampling should accompany Report. Perhaps an alternate program of moderate amount of Diamond Drilling Should be Considered as the First Step. Would Like to have opinion of Field Team on any alternate program they Consider Feasible. Details of Breakdown in Costs.

Reviewed by: Glenn G. Gentry

Date 2/4/52

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Sc. 157 Howard Street
Spokane 1, Washington

400

February 12, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: DMEA Docket 2290, Henry T. Abstein and Gordon C. Smith property, Valley County, Idaho.

Dear Sir:

Accompanying a letter dated January 25, this office forwarded to the Operating Committee three sets of Landlord's Subordination Agreement pertaining to an application for DMEA exploration assistance, submitted by Messrs. Henry T. Abstein and Gordon C. Smith. In that letter we noted that there were only four copies of the Subordination Agreement in each set and that we were writing the applicant asking for two additional copies for each set.

These additional copies of Form [illegible]-202 have now been received and are forwarded herewith.

Sincerely yours,

Thor [illegible]. Killsgaard
For: A. [illegible] Reisenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 1[illegible] [illegible] Street
Spokane, [illegible]

[illegible] 1[illegible]

[illegible]
[illegible] Committee
[illegible] Exploration Administration
[illegible] Interior
[illegible]

[illegible] Lease Contract No. [illegible],
[illegible] Harry [illegible] Alexander and
[illegible] Gordon [illegible] Hill property,
[illegible] County, Idaho.

Gentlemen:

[illegible] are three sets of landowner's subordination agreement recently received in this office, [illegible] on application for [illegible] lease contract recently submitted by [illegible] Harry [illegible] Alexander, [illegible].

[illegible] are only [illegible] copies of the above [illegible] contract. [illegible] in writing [illegible] applicant [illegible] that two additional copies of the subordination agreement be made available [illegible] set, which would be attached to the contract, should [illegible] enter into an exploration contract on the subject property.

Sincerely,

[illegible] [illegible]
[illegible] [illegible]
[illegible] Director,
[illegible]

[illegible]

c.c. [illegible] Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
[illegible] 15, [illegible]ward Street
[illegible]pokane 1, Washington

[illegible]arch 2, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 6 1953

[illegible]r. [illegible]erry T. [illegible]stein
c/o [illegible]ordon [illegible]. [illegible]mith
[illegible]5 [illegible]ourt [illegible]ouse
[illegible]olse, [illegible]daho

Re: [illegible]ocket [illegible]o. [illegible]A-2290
[illegible]yringa Claims
[illegible]alley County, Idaho

[illegible]ear [illegible]r. [illegible]lstein:

In compliance with your letter of February 11, 1953, and with reference to my reply of February 13, 1953, I am returning herewith from our Washington files the ~~original and two~~ 3 copies of the lease and option agreement and maps submitted with your [illegible] application.

Very truly yours,

James [illegible]. [illegible]inlan
for [illegible]. [illegible]eisenborn
Executive Officer,
Field Team, Region II

[illegible]nclosures (3)
[illegible] (2)
[illegible] (2)
[illegible]olse

FILE COPY
SURNAME:

200

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

FEB 26 1953

Mr. A. E. Weissenborn
Executive Officer
South 157 Howard Street
Spokane 8, Washington

J.C. 2/26/53

Dear Mr. Weissenborn:

This will acknowledge your letter dated February 19, 1953 addressed to Mr. George C. Selfridge, Chairman, Operating Committee, and signed by James J. Quinlan, requesting that all copies of the Lease and Option Agreement and maps submitted with the application of Abstein and Smith, Docket No. DMEA 2290 (Tungsten), be returned to your office.

In answer to your request the material is enclosed herewith.

Sincerely yours,

SIGNED
Robert E. Adams, Chief
Operations Control & Statistics Div.

Enclosures - 8
REAdams/meb
2-26-53
cc to: Adm.Reading File
Mails & Files Br.
Mr. Selfridge

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

February 18, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 24 1953

Mr. Henry T. Abstein
c/o Gordon C. Smith
105 Court House
Boise, Idaho

Re: Docket No. DMEA 2290
Syringa Claims
Valley County, Idaho

Dear Mr. Abstein:

In compliance with your letter of February 11, 1953, we are writing Washington, D. C. today for copies of the Lease and Option Agreement and maps submitted with your application.

We expect that it will be two or three weeks before these documents are returned.

Very truly yours,

James J. Quinlan
for A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: [illegible] (2)
[illegible] (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
No. 157 Howard Street
Spokane 1, Washington

February 13, 1953

Mr. Henry T. Abstein
c/o Gordon L. Smith
105 Court House
Boise, Idaho

Re: Docket No. [illegible]A 2290
Syringa Claims
Valley County, Idaho

Dear Mr. Abstein:

In compliance with your letter of February 11, 1953, we are writing Washington, D. C. today for copies of the Lease and Option Agreement and maps submitted with your application.

We expect that it will be two or three weeks before these documents are returned.

Very truly yours,

James J. Quinlan
for A. L. Weissenborn
Executive Officer,
Field Team, Region II

cc: (2)
(2)

Draft

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
No. 157 Howard Street
Spokane 1, Washington

February [illegible], 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 18 1953

Docket No. [illegible]-2270

Mr. Henry R. Aufdolin
c/o Gordon C. Smith
105 Court House
Boise, Idaho

Dear Mr. Aufdolin:

In reply to your letter of February 7, 1953, I am returning herewith from our files a copy of the Lease and Option Agreement and maps submitted with your DMEA application. Additional copies of the Lease and Option Agreement and maps were forwarded to Washington, D. C. when your application was being considered. If you desire that our additional copies of the Lease and Option Agreement and maps be returned, please advise and we will obtain them from Washington, D. C.

Yours truly,

James J. Quinlan
For: A. [illegible] Gibson
Executive Officer, [illegible]
Field Team, Region [illegible]

Enclosure

cc: [illegible] (2)
[illegible]A (2)
Quinlan

FILE COPY
SURNAME:

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

Rutledge
Selfridge
Graham
Mitchell
Hedges
F. Johnson

OCT 6 1952

Mr. Gordon C. Smith
105 Court House
Boise, Idaho

Re: Docket No. DMEA 2290 - Tungsten
Henry T. Abstein & Gordon C. Smith
Syringa Claims (Wilson Tunnel)
Profile Gap Area
Valley County, Idaho

Dear Mr. Smith:

Your request for exploration assistance and other reports concerning the Wilson property available to us in Washington have been carefully reviewed.

This information, although noting the occurrence of a small amount of scheelite in limestone inclusions and in lesser amounts in lamprophyre dikes all included in an igneous complex, indicates to us that the probability of disclosing mineable reserves of tungsten ore by your proposed exploration program is not sufficiently promising to justify Government participation. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention.

FARutledge'lm
9/30/52

Sincerely yours,

C. O. Mittendorf (Kw) 10-6-52

Administrator

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. II
Operating Committee
G. C. Selfridge
F. A. Rutledge

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA

DATE: Sept. 30, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of application for exploration assistance in the amount of $25,000.00
Docket No. DMEA 2290 - Tungsten
Henry T. Abstein and Gordon C. Smith
Syringa Claims (Wilson Tunnel)
Profile Gap Area, Valley County, Idaho

The denial of the subject application by this Division is based on the following information:

1. The applicant proposes to extend the Wilson tunnel 175 feet to cut the "Scheelite", "Pathfinder", and "Jumbo" veins. Field evidence indicates that the limestone inclusion forming the "Scheelite vein" dips northwest and the Wilson tunnel would have to be extended 150 to 220 feet to intersect the so-called Scheelite vein alone.

2. The scheelite occurring in the limestone of the Scheelite vein is too spotty in its distribution to be of economic interest. The grade is too low also. Of the two check samples taken by the field team, one contained 0.08 percent WO_3 and the other 0.27 percent WO_3. The last was representative of the best deposit which has a width of 15 feet and length of approximately 50 feet.

   A weighted average of 12 samples taken by the applicants is 0.28 percent WO_3.

3. No lead, zinc or copper exploration targets of interest were noted in the so-called Pathfinder and Jumbo veins. However, several small silicious lenses containing galena and sphalerite were seen within the interlacing lamprophyric dikes. One of these lenses, 12 inches long and 2 to 4 inches wide, contained scheelite.

4. The results of a field examination by J. J. Quinlin and E. H. Roseboom, U. S. Geological Survey, indicate the application should be denied.

5. The field team recommends denial.

6. The Commodity Division of the U. S. Geological Survey recommends denial.

G. C. Selfridge

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

FILE COPY
SURNAME:

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

Administrator, DMEA

Sept. 30, 1952

Rutledge
Selfridge
Lebeau

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $25,000.00
Docket No. DMEA 2290 - Tungsten
Henry T. Abstein and Gordon C. Smith
Syringa Claims (Wilson Tunnel)
Profile Gap Area, Valley County, Idaho

The denial of the subject application by this Division is based on the following information:

1. The applicant proposes to extend the Wilson tunnel 175 feet to cut the "Scheelite", "Pathfinder", and "Jumbo" veins. Field evidence indicates that the limestone inclusion forming the "Scheelite vein" dips northwest and the Wilson tunnel would have to be extended 150 to 220 feet to intersect the so-called Scheelite vein alone.

2. The scheelite occurring in the limestone of the Scheelite vein is too spotty in its distribution to be of economic interest. The grade is too low also. Of the two check samples taken by the field team, one contained 0.08 percent WO_3 and the other 0.27 percent WO_3. The last was representative of the best deposit which has a width of 15 feet and length of approximately 50 feet.

   A weighted average of 12 samples taken by the applicants is 0.28 percent WO_3.

3. No lead, zinc or copper exploration targets of interest were noted in the so-called Pathfinder and Jumbo veins. However, several small siliceous lenses containing galena and sphalerite were seen within the intersecting lamprophyric dikes. One of these lenses, 12 inches long and 2 to 4 inches wide, contained scheelite.

4. The results of a field examination by J. J. Quinlin and E. H. Roseboom, U. S. Geological Survey, indicate the application should be denied.

5. The field team recommends denial.

6. The Commodity Division of the U. S. Geological Survey recommends denial.

George C. Selfridge

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

FARutledge'lm
9/30/52

cc: Admn. Reading File
Docket
G. C. Selfridge
F. A. Rutledge

IN REPLY REFER TO:

G-MD-CF

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

September 26, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon

Subject: Field report DMEA 2290 - Tungsten
Willson property (Syringa Group)
Henry Abstein and Gordon Smith
Profile Gap, Valley County, Idaho

J. J. Quinlan and E. H. Roseboom of the Geological Survey spent 3 days between July 31 and August 4, 1952 examining this property. Their report, dated August 28, recommends denial of the application because the scheelite occurrences are too small and too low grade to warrant exploration.

The geologists took no samples but quote 2 samples taken by H. T. Reno of the Bureau of Mines. These samples assayed 0.27 percent WO_3 and 0.08 percent WO_3.

I concur with the Field Team recommendation that the application be denied.

D. M. Lemmon

D. M. Lemmon

Copy retained 400

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

9/30/52

September 25, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 2290 - Tungsten
Henry T. Abstein and Gordon C. Smith
Syringa Claims (Willison Mine)
Profile Gap, Valley County, Idaho

Dear Mr. Johnson:

This will acknowledge your letter of September 15, 1952, inquiring into the status of the Field Team report and recommendation on the subject property. On checking our files, I find that the report on this property was mailed to you on September 17, 1952.

Sincerely yours,

A. E. Weissenborn
lmm

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM(1)

Copy retained 400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 22 1952

So. 157 Howard Street
Spokane 4, Washington

September 17, 1952

Memorandum

To: Frank E. Johnson, Chairman, DMEA Operating Committee

From: Field Team, Region II

Subject: Field Examination, DMEA Docket No. 2290 (Tungsten), Henry Abstein and Gordon Smith, Wilson property, Valley County, Idaho.

Enclosed are the original and three copies of a memorandum report by J. J. Quinlan and E. H. Roseboom, Geologists, U. S. Geological Survey, on the subject application for exploration assistance.

The Field Team concurs with the examining engineers and recommends that the application be denied. The scheelite is too spotty in its distribution to be of economic interest.

By DMEA Field Team, Region II

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Thor H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

cc: USBM (2)
Quinlan

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
Lassen
SEP 28 1952

August 28, 1952

Memorandum

To: A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II

From: J. J. Quinlan and E. H. Roseboom, Geologists, U. S. Geological Survey

Subject: Field Examination, DMEA Docket No. 2290(Tungsten), Henry Abstein and Gordon Smith, Wilson property, Valley County, Idaho.

Introduction

The subject examination was made between July 31, 1952 and August 4, 1952, in connection with an application for exploration assistance made by Henry T. Abstein of Yellow Pine, Idaho and Gordon C. Smith of Boise, Idaho.

Three days were spent in examining the property and near-by Glasgow claims. The examining team was accompanied by Henry Abstein on the first morning of the examination and by Earl Willson on the first evening when preliminary lamping was done.

Recommendations

It is recommended that the application be denied. The scheelite is too spotty in its distribution to be of economic interest. No lead, zinc, or copper exploration target of interest was noted.

Location and Access

The Wilson property (Syringa Group of Claims) is near Profile Gap, approximately 8 miles northeast of Yellow Pine, Idaho. The Yellow Pine-Big Creek road crossed the property. This road is closed by heavy snow about 7 months of the year. Cascade, Idaho, the nearest shipping point is 74 miles southwest of the property.

The Syringa Claims are in Sec. 24, T. 20 N., R. 8 E., and Sec. 19, T. 20 N., R. 9 E., Valley County, Idaho.

Ownership

The Syringa, Syringa No. 1, Syringa No. 2, Syringa No. 3, Syringa No. 4, Syringa No. 5 and Syringa No. 6 quartz lode mining claims are owned by Earl Willson of Yellow Pine, Idaho, Edward E. and Josephine Willson of Napa, California, and Hattie and Ruth Henderson of Portland, Oregon. These claims are held under a lease and option agreement by Henry Abstein of Yellow Pine, Idaho, one of the applicants.

Henry Abstein and Gordon Smith are owners of the Syringa No. 7 claim.

History and Past Production

The Wilson property was located by Sam Willson about 55 years ago. Mr. Willson held the claims until his death in 1934. The present owner of the Syringa and Syringa No. 1 to No. 6 claims are heirs of Sam Willson. (The property is designated as the "Wilson property" in previous government reports, although the owners spell their name "Willson.)

So far as is known, there has been no production from the property.

Mine Workings

Underground mine workings consist of the Sam Wilson tunnel (crosscut adit) 570 feet long, another adit, 200 feet long, and the Sam Wilson shaft, 30 feet deep. The Sam Wilson tunnel and shaft are shown on the map accompanying this memorandum, and are the only underground workings on the applicant's claims in the vicinity of the proposed exploration. The Glasgow tunnel just south of the applicant's claim was also inspected. These underground workings were driven to explore for precious and base metals.

Several pits and trenches along a large limestone inclusion band have been made to explore the tungsten possibilities of the property.

Financial and Administrative Competence of the Applicants

Mr. Abstein and Mr. Smith are elderly gentlemen with many years of mining experience. Mr. Abstein is a prospector and miner. Mr. Smith is a mining engineer. These men would jointly supervise the project, contracting the underground exploration.

civil

Mr. Abstein and Mr. Smith are considered competent to conduct an exploration project.

Geology

The geology of the Wilson property and Profile Gap area is described by Shenon 1/ This work served as a basis for our examination.

The Profile Gap area is best described as an igneous complex containing discontinuous bands of sedimentary rocks. The area is principally underlain by granodiorite of the Idaho batholith, which is locally highly altered and silicified. The altered granodiorite is cut by numerous dikes and irregular bodies of quartz latite porphyry, quartz diorite, granodiorite, lamprophyre, and rhyolite. Inclusions of Paleozoic limestone, argillite, and quartzite occur within this igneous complex. Patches of volcanic rocks related to the Challis volcanics (Tertiary) also occur in the area.

Numerous quartz veins up to several feet in width and generally striking North to N. 20° E. traverse the area. Most of these veins are discontinuous and cannot be traced for more than a few hundred feet. The Don Pedro vein is the most persistent of these veins and has been traced for over 900 feet. It attains a maximum width of 20 feet, however, for much of its length it is less than a foot wide. Locally, the quartz veins contain varying amounts of galena, sphalerite, chalcopyrite, pyrite and gold. However, these veins are not of economic interest.

Tungsten

Three types of tungsten occurrences were noted: (1) scheelite associated with limestone inclusions, (2) scheelite associated with lamprophyric dikes, (3) scheelite associated with a quartz stringer.

The best tungsten showings occur in limestone inclusions. The principal inclusion is a limestone band 80 to 100 feet wide and 800 feet long, that strikes N. 20° E. and dips 70° to 90° NW. This limestone band is not a simple structure; three distinct and gradational rock units being recognized. The hanging wall portion, 20 to 30 feet wide, is argillaceous limestone with lenses of sedimentary breccia. The central portion, 20 to 30 feet wide, is marble with sparse amounts of epidote and diopside. The footwall portion, 30 to 50 feet wide, and the southern end of the inclusion is highly altered argillaceous limestone which grades into altered granodiorite of the Idaho batholith, (see geologic map.)

This band of limestone is cut off on the northwest by a large quartz latite porphyry dike which contains interlacing lamprophyric dikes.

1/ Shenon, P. J., Ross, C. P., Geology and Ore Deposits near Edwardsburg and Thunder Mountain, Idaho, Idaho Bureau of Mines and Geology Pamphlet No. 44, 1936.

This zone represents a large shear zone striking N. 20° E. to N. 30° E. The shear zone contains minor marble inclusions north of the limestone band. None of these inclusions are more than a few feet square in area.

Scheelite occurs as thin stringers in a 1 to 2 inch wide discontinuous bands and as disseminated specks within the marble zone of the limestone inclusions. Lamping showed the scheelite to be very spotty and erratic in distribution. The best scheelite showings were found in the small inclusions within the large shear zone north of the principal limestone band. The scheelite within the principal band was confined to the north end of the band near its intersection with the shear zone, (see geologic map for scheelite distribution.)

It was evident that the applicants trenches were dug where lamping had indicated the best scheelite and the applicants sampling was confined to this area. Outside the trenches and along the road between trenches very little scheelite was noted. Mr. Reno, U. S. Bureau of Mines cut two samples to check the applicant's sampling. These samples are shown on the map accompanying this report.

Scheelite was noted in two places along the quartz latite-lamprophyric dike zone, (see map for locations.) Several small silicious lenses containing galena and sphalerite were seen within the interlacing lamprophyric dikes. One of these lenses, 12 inches long and 2 to 4 inches wide contained scheelite. At one other place scheelite was seen as fine disseminated specks within a lamprophyric dike. This disseminated zone could not be traced any distance. Where exposed it was approximately 6 feet wide. Mr. Earl Willson reported that a sample from this zone assayed 0.05 percent WO_3.

A 1 inch quartz stringer 25 feet back of the face in the Glasgow tunnel showed some fine specks of scheelite. None of the other quartz veins examined contained scheelite.

Evaluation of Proposal

The applicant proposes to extend the Wilson tunnel (crosscut adit) N. 75° W. approximately 175 feet to cut the "Scheelite", "Pathfinder" and "Jumbo" veins, then drift north and south on the "Scheelite" vein to the limits of mineralization.

The "Scheelite" vein is the large limestone inclusion. The application states that the "Scheelite" vein dips 80° to 85° east and will be cut by extending the tunnel 50 to 80 feet. Field evidence indicates that the limestone inclusion strikes N. 20° E. and dips 70° to 90° NW; if this is correct the Wilson tunnel will have to be extended 150 to 220 feet to intersect and crosscut this inclusion. This proposed program is not feasible because the scheelite within this

limestone inclusion is too spotty to be of economic interest. The inclusions within the shear zone north of the main limestone inclusion are small and erratic in distribution, and not numerous enough to be of economic importance. The locating of any of these small inclusions by underground exploration would be governed by chance.

No veins corresponding to the applicant's Pathfinder and Jumbo veins were seen by the DMEA examiners. Discussion with the applicants revealed that the ore lenses within the lamprophyric dike zone represents these veins. The lenses are too spotty and erratic indistribution to be of economic interest.

J. J. Quinlan

E. H. Roseboom

cc: DMEA(4)
USBM(2)
USGS(SRO)
Quinlan

FILE COPY 400
SURNAME:

Rutledge
Martin
Hetts

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

Mr. A. H. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 2290 - Tungsten
Henry T. Abstein and Gordon O. Smith
Syringa Claims (Willson Mine)
Profile Gap, Valley County, Idaho

Dear Mr. Weissenborn:

Reference is made to the subject docket. According to our records your office planned to contact Mr. Smith early in July and arrange for a field examination of the Syringa property.

In view of the location of the property and the need for an examination this season, we wish to know if such an examination has been made. If the examination has been completed, it will be appreciated if you could give us some idea when the field team report and recommendation may be expected.

Sincerely yours,

9/15

Frank E. Johnson (B.H.)
Chairman, Operating Committee

FARutledge'lm
9/10/52

Approved:

J. H. Hedges
Bureau of Mines

T. P. Thayer
Geological Survey

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. II
Operating Committee
W. S. Martin
F. A. Rutledge

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

No. 157 Howard Street
Spokane 1, Washington

June 23, 1952

2/12/52 – sent to G.T.

2290 – Zungolen
G.C. Smith +
Henry T. Abotein

Mr. Gordon M. Smith
108 Court House
Boise, Idaho

Dear Mr. Smith:

This office plans to have an engineer in the Valley County area of Idaho during the first week in July. At that time he will contact your office and arrange an examination of your Cynthia property in the Profile Gap area. (Valley Co., Idaho)

If this meets with your approval, I remain,

Yours sincerely,

Thor F. Hillsgaard
For: R. . Grimsmorm
Executive Officer,
Field Zone, Region II

cc: GLO
Wal:W.S. ✓

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 27 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

February 12, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 18 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: DMEA Docket 2290, Henry T. Abstein and Gordon C. Smith property, Valley County, Idaho.

Dear Sir:

Accompanying a letter dated January 25, this office forwarded to the Operating Committee three sets of Landlord's Subordination Agreement pertaining to an application for DMEA exploration assistance, submitted by Messrs. Henry T. Abstein and Gordon C. Smith. In that letter we noted that there were only four copies of the Subordination Agreement in each set and that we were writing the applicant asking for two additional copies for each set.

These additional copies of Form MF-202 have now been received and are forwarded herewith.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

February 12, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: DMEA Docket 2220, Henry T. Abstein and Gordon C. Smith property, Valley County, Idaho.

Dear Sir:

Accompanying a letter dated January 25, this office forwarded to the Operating Committee three sets of Landlord's Subordination Agreement pertaining to an application for DMEA exploration assistance, submitted by Messrs. Henry T. Abstein and Gordon C. Smith. In that letter we noted that there were only four copies of the Subordination Agreement in each set and that we were writing the applicant asking for two additional copies for each set.

These additional copies of Form L-20d have now been received and are forwarded herewith.

Sincerely yours,

Thor A. Gillenard
For: A. C. Nelsenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] 197 [illegible] Street
[illegible]ana 4, [illegible]ington

February 12, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1[illegible] 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: [illegible] Docket [illegible], Henry [illegible]
[illegible]stein and Gordon [illegible]. Smith
Property, Valley County, Idaho.

Dear Sir:

Accompanying a letter dated January 2[illegible], this office forwarded to the Operating Committee three sets of Landlord's Subordination Agreement pertaining to an application for [illegible] exploration assistance, submitted by Messrs. Henry [illegible]. Alstein and Gordon [illegible]. Smith. In that letter we noted that there were only four copies of the Subordination Agreement in each set and that we were writing the applicant asking for two additional copies for each set.

These additional copies of Form [illegible]-[illegible] have now been received and are forwarded herewith.

Sincerely yours,

[illegible]
[illegible] A. [illegible]
Executive Officer, [illegible]
Field Team, Region II

Enclosures.

FILE COPY
SURNAME:

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

Gentry
Gelson
Selfridge
Weissenborn
Wedgeas

FEB 12 1952

Mr. Henry T. Abstein
Mr. Gordon C. Smith
105 Court House
Boise, Idaho

Re: Docket No. DMEA 2290X - Tungsten
Willson Mine - Syringa Claims
Valley County, Idaho

Gentlemen:

Your application for assistance in exploring the Willson mine and Syringa claims in Valley County, Idaho, Docket No. DMEA 2290X, has been referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington, for a field examination when weather and snow conditions permit.

The Regional Office will contact you at an early date in regard to an examination of your property. Any assistance that you can render the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for) S.N. 2-12-52

Acting Administrator
Defense Minerals Exploration
Administration

GGGentry'lm
2/4/52

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

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

Original surnamed by Dechan Stafrudge

FEB 12 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Dear Sir:

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

Applicant Henry T. Abstein and Gordon C. Smith

Docket No. 2290

Commodity Tungsten

Amount $ 25,000.00

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

Sincerely yours,

C. O. Mittendorf (for)

S.N. 2-12-52

ACTING Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

J. H. Hedges (for)
Member, Bureau of Mines

L. P. Thayer (for)
Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2290

Commodity Tungsten

Total Amount $25,000.00

Govt. Participation $18,750.00

1. Name and Address of Applicant Henry T. Abstein and Gordon C. Smith
105 Court House, Boise, Idaho

2. Location of Property Section 24; T20N; R8E - Big Creek quadrangle
Section 19; T20N; R9E
Willson mine - Syringa claims
Valley County, Idaho

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

If not, application will be rejected.

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

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

a) ~~Good~~ Fair

b) Poor

c) None

d) Don't know--needs field examination Requires field examination

e) Is there an alternative and favorable project? Unknown
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

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

productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? Four copies have been received. Field team, Region II, have

b) MF-202? written applicant requesting two additional copies.

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

a) Available manpower Manpower is short in this area and this question should be checked by the field team.

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

c) Accessibility (question 12)* Roads probably poor.

d) Water (question 13)* Unknown

e) Power (question 13)* Unknown

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

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

Is a field check needed on this point? Yes

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

a) Is the project adequately described? Will require further details

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

b) Is there an adequate map or sketch of the proposed work?

Proposed work should be detailed on an adequate map.

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

If not, what part of it is?

Is this part a worthwhile exploration project? Unknown

d) Are the cost estimates detailed? Not sufficiently detailed

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

e) Are the cost estimates reasonable? Unknown

f) Should more information be requested from applicant? Yes

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

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

c) Is a field check needed? Yes

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

a) Is it applicable? Yes

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

c) Are rents and charges reasonable? Unknown

d) Is a field check needed? Yes

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

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? Not detailed

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

d) Are the proposed wages and salaries reasonable? Unknown

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? Unknown

d) Field check needed? Yes

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? The scheelite mineralization appears to be spotty. Preliminary geological map, showing ore occurrences, together with check sampling should accompany report. Perhaps an alternate program of moderate amount of diamond drilling should be considered as the first step. Would like to have opinion of field team on any alternate program they consider feasible. Details of breakdown in costs.

Reviewed by: Glenn G. Gentry

Date 2/4/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 29 1952

January 25, 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: DMEA Docket No. 2290,
Henry T. Abstein and
Gordon C. Smith property,
Valley County, Idaho.

Dear Sir:

Enclosed are three sets of Landlord's Subordination Agreement recently received at this office, which concern an application for DMEA exploration assistance recently submitted by Messrs. Henry T. Abstein and Gordon C. Smith.

There are only four copies of the Subordination Agreement in each set. This office is writing the applicants and suggesting they submit two additional copies of each set of the Subordination Agreement in order to make available six copies of each set, which would be appended to the contract, should DMEA enter into an exploration contract on the subject property.

Sincerely,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn,
Executive Officer, DMEA
Field Team, Region II

Enclosures.

c.c. U. S. Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] 197 [illegible] Street
[illegible], [illegible]

[illegible], 1[illegible]2

[illegible]hairman, [illegible] Committee
[illegible] Strategic Exploration [illegible]
[illegible] Department of Interior
[illegible]

re: [illegible] Mine, [illegible],
[illegible] Gamey [illegible] Elevation and
[illegible] option [illegible] [illegible] property,
[illegible] Valley County, Idaho.

Dear [illegible]:

[illegible] and three copies of Landlord's [illegible] Exploration Agreement recently received at this office, with concurrent application for [illegible] exploration [illegible] recently [illegible] by [illegible] Gamey [illegible] Elevation [illegible].

[illegible] only [illegible] copies of the [illegible] [illegible] one [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] additional copies of each [illegible] of the [illegible] Agreement [illegible] prior to this available six copies of each [illegible], which would be appreciated by this concerned, should [illegible] other [illegible] exploration [illegible] on the subject property.

Sincerely,

[illegible] [illegible]
[illegible] A. [illegible] [illegible],
[illegible] Officer, [illegible]
[illegible], [illegible] Region II

Enclosures.

cc: [illegible] Bureau of Mines

GORDON C. SMITH
MINING ENGINEER
105 COURT HOUSE
BOISE, IDAHO

MINERAL SURVEYOR
IDAHO
OREGON

January 22, 1952.

Mr. A. Weisenborn,
Director No. 2 District, DMEA,
S 157 Howard St.,
Spokane, Wash.

Docket Number DMEA-2290
Henry T. Abstein and Gordon C. Smith, Lessees.

Dear Sir:

Enclosed please find Subordination Agreement MF 202, signed by the various owners of the Syringa Group.

Sincerely yours,

Gordon C. Smith

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

Know All Men By These Presents:

Whereas, the undersigned is the owner in fee simple of that certain a 1/6 interest parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 24, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 17th day of Dec., 1951

Mrs Hattie Jewell Henderson

Miss Ruth T. Henderson

MF-202

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Dated this 17th day of December, ~~1954~~ 1951

Mrs Hattie Jonella Henderson
Miss Ruth A Henderson

MF-202

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Mrs. Hattie Jamieson Henderson
Miss Ruth Henderson

MF-202

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Dated this 17th day of December, 1951

Mrs Hattie Jewella Henderson
Miss Ruth Henderson

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

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Whereas, the undersigned is the owner in fee simple of that certain a 1/2 interest parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 24, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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Dated this 14th day of January, 1952

Earl W. Willson
A single man.

MF-202

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A single man.

MF-202

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Whereas, the undersigned is the owner in fee simple of that certain a 1/3 interest parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith, the Lessee of said property, and the United States of America;

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Dated this 18th day of 18, 1951

Edward E. Wilson
Husband and

Josephine W. Wilson
Wife.

MF-202

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Edward E. Willson
Husband and

Josephine W. Willson
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MF-202

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Edward E. Wilson
Husband and

Josephine W. Wilson
Wife.

MF-202

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Edward E. Willson
Husband and

Josephine Willson
Wife.

DMEA-2290

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

December 13, 1951

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Sir:

Enclosed are four copies of an exploration application submitted by Henry T. Abstein and Gordon C. Smith concerning a tungsten property, the Syringa group, in Valley County, Idaho.

Copies of a mining lease and option agreement are included also.

No further information beyond that contained in the application is available and since the property cannot be examined until spring, the entire application is being forwarded.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George Selfridge, DMEA DATE: January 2, 1952

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

SUBJECT: Exploration application $25,000 DMEA 2290 - Tungsten
Henry T. Abstein and Gordon C. Smith
105 Court House
Boise, Idaho

Property: Syringa claims (Willson mine)
Profile Gap, Valley County, Idaho
Section 24, T. 20 N., R. 8 E., Big Creek quadrangle.

Trenching and sampling by the applicant has shown tungsten mineralization in 5 pits distributed along 200 feet of vein. Five channel samples average 0.63% WO_3 over a width of 3.6 feet, giving an estimated 60 tons of ore per foot of depth. Mineralization may extend along the strike where the vein is not exposed.

The applicant proposes to extend the Willson tunnel (a crosscut adit 590 feet long) to the scheelite vein at 80 feet, the Pathfinder vein at 160 feet. Drifts will be run north and south on the scheelite vein to limits of mineralization.

The tunnel will intersect the scheelite vein 300 feet south of the known scheelite exposures at an elevation 200 feet below the surface. The drift will open the inferred ore shoot at an average depth of 120 feet, and might partially block out 7000 tons in the shoot.

The proposal appears reasonable enough from the geological viewpoint. The property has not been examined by the Geological Survey or Bureau of Mines since the work done last summer. Therefore, it is recommended that the application be referred to the Field Team for examination next spring when weather permits.

The estimated costs given in the application are not sufficiently detailed. No specific provision is made for equipping the tunnel, and no definite footage is set on proposed work.

D M Lemmon

George Selfridge, DMEA

January 2, 1952

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

Exploration application $25,000
Henry T. Abstein and Gordon C. Smith
105 Court House
Boise, Idaho

DMEA 2290 - Tungsten

Property: Syringa claims (Willson mine)
Profile Gap, Valley County, Idaho
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DML.

DMLemmon:gt

George Selfridge, DMEA

January 2, 1952

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

Exploration application $25,000
Henry T. Abstein and Gordon C. Smith
105 Court House
Boise, Idaho

DMEA 2290 - Tungsten

Property: Syringa claims (Willson mine)
Profile Gap, Valley County, Idaho
Section 24, T. 20 N., R. 8 E., Big Creek quadrangle.

Trenching and sampling by the applicant has shown tungsten mineralization in 5 pits distributed along 200 feet of vein. Five channel samples average 0.63% WO_3 over a width of 3.6 feet, giving an estimated 60 tons of ore per foot of depth. Mineralization may extend along the strike where the vein is not exposed.

The applicant proposes to extend the Willson tunnel (a crosscut adit 590 feet long) to the scheelite vein at 80 feet, the Pathfinder vein at 160 feet. Drifts will be run north and south on the scheelite vein to limits of mineralization.

The tunnel will intersect the scheelite vein 300 feet south of the known scheelite exposures at an elevation 200 feet below the surface. The drift will open the inferred ore shoot at an average depth of 120 feet, and might partially block out 7000 tons in the shoot.

The proposal appears reasonable enough from the geological viewpoint. The property has not been examined by the Geological Survey or Bureau of Mines since the work done last summer. Therefore, it is recommended that the application be referred to the Field Team for examination next spring when weather permits.

The estimated costs given in the application are not sufficiently detailed. No specific provision is made for equipping the tunnel, and no definite footage is set on proposed work.

DMLemmon:gt

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 137 Howard Street
Spokane 1, Washington

December 13, 1951

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Sir:

Enclosed are four copies of an exploration application submitted by Henry P. Abstein and Gordon C. Smith concerning a tungsten property, the Syringa group, in Valley County, Idaho.

Copies of a mining lease and option agreement are included also.

No further information beyond that contained in the application is available and since the property cannot be examined until spring, the entire application is being forwarded.

Sincerely yours,

A. S. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM

12/28

2 copies each of 2 maps
sent to US Bm to
Complete their file for Exam.—
JB

Returned
1/2/52

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 24, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this Feb. day of 6 Th., 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1952

Edward E. Willson
Husband

Josephine W. Willson
Wife.

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

an undivided 1/3 interest

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith, the Lessee of said property, and the United States of America;

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

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

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this Feb. day of 6th, 1952

Edward E. Willson
Husband

Josephine W. Willson
Wife.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1952

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

joint owners of an undivided 1/6 interest

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This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 1st day of February, 1952

Mrs. Hattie J. Henderson

Ruth L. Henderson

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1952

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

joint owners of an undivided 1/6 interes

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This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 1st day of February, 1952

Mrs Hattie J Henderson

Ruth H Henderson

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1 1952

U.S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

Know All Men By These Presents:

Whereas, the undersigned is the owner in fee simple of that certain an undivided ½ interest parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith _____, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 24 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 28th day of January, 1952

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 1 8 1952

Earl W. Willson
A single man.

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

an undivided ½ interest

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Valley, State of Idaho, described in a certain Exploration Project Contract dated _____, 195__, between Henry T. Abstein and Gordon C. Smith, the Lessee of said property, and the United States of America;

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This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 28th day of January, 1952

Earl W. Wilson
A single man.

U. S. GOVERNMENT PRINTING OFFICE 940768

Defense Minerals Administration
RECEIVED
FEB 11 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-2280

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1951

December 13, 1951

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Sir:

Enclosed are four copies of an exploration application submitted by Henry T. Abstein and Gordon C. Smith concerning a tungsten property, the Syringa group, in Valley County, Idaho.

Copies of a mining lease and option agreement are included also.

No further information beyond that contained in the application is available and since the property cannot be examined until spring, the entire application is being forwarded.

Sincerely yours,

A. E. Weissenborn KG

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

December 13, 1951

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Sir:

Enclosed are four copies of an exploration application submitted by Henry T. Abstein and Gordon C. Smith concerning a tungsten property, the Syringa group, in Valley County, Idaho.

Copies of a mining lease and option agreement are included also.

No further information beyond that contained in the application is available and since the property cannot be examined until spring, the entire application is being forwarded.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2290
Metal or Mineral
Date Received 12-17-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1951

Name and address of applicant

Henry T. Abstein
Gordon C. Smith Lessees
105 Court House
Boise, Idaho

Date Dec. 5, 1951.

If you have already filed MF-100, give date filed ....., type of assistance requested exploration loan,

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Henry T. Abstein
by Agent

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

Dec. 5, 1951. Lessees

(Date) (Title)

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

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

Form MF-103, page 1.

Henry T. Abstein
Gordon C. Smith
Lessees

1-a The Syringa Group, comprising

Syringa		Book 11	Page 11
Syringa	No. 1	Book 11	Page 12
Syringa	No. 2	Book 11	Page 13
Syringa	No. 3	Book 11	Page 14
Syringa	No. 4	Book 11	Page 15
Syringa	No. 5	Book 11	Page 16
Syringa	No. 6	Book 11	Page 551

Owned by Earl W. Willson, Yellow Pine, Idaho
Edward E. Willson and Josephine Willson,
1110 First 1st, Napa, California.
Hattie Junella Henderson and Ruth Henderson,
4120 N.E. 2nd Ave., Portland, Oregon.

Syringa No. 7 Book 13 Page 232
Owned by Henry T. Abstein, Yellow Pine, Idaho
Gordon C. Smith, Boise, Idaho.

The Glascow Group, mentioned in the option is not at this time under option to H. T. Abstein and Gordon C. Smith.

These claims, all unsurveyed, are in Sections 24, Township 20 North, Range 8 East, and 19, Township 20 North, Range 9 East, Boise Meridian, Valley County, Idaho.

The claim map submitted was made by Brunton, some chained distances and some pacing.

Conflict shown with the B and B group, not determined as to priority.

Conflict with the Palmetto to be excluded.

1-b Four copies of Lease attached.

1-c Mostly upon the Syringa lode. The outcrop of the Scheelite vein in places is very close to or over the west side line onto the Syringa No. 7, as is also true of the continuation of this vein along the west side line of the Glascow, identical with the east side line of Syringa No. 6. Some float has been found, in place, both sides of these lines.

2-a Scheelite, during the past summer, we did work both with a dozer and trenching, both by hand and by compressor. Our exploration and sampling being confined exclusively to an effort to show an attractive Scheelite showing.

This work is shown on the sketch of the Willson tunnel in its relation to the Scheelite vein, the position of the tranches, the relative elevations and the position of the samples.

The samples, with one exception, were channel samples cut by us along the exposed faces and the widths given are the right angle distanc es across the formation.

Henry T.Abstein
Gordon C.Smith
Lessees.

The samples were crushed, cut with a Jones sampler and assayed by the Union Assay Office of Salt Lake City. The detail and percent of scheelite of the samples is shown on a sheet attached to the sketch of the Willson Tunnel.

Late this fall we got reaction to the light over a material width west of the Pathfinder vein. We believe trenching in this area desirable next summer.

The Pathfinder vein was trenched for several hundred feet prior to our lease. We are told that numerous samples, averaging 4 ft. in width, gave 10-30 oz. silver, about 10% lead and 10% zinc.

The Jumbo vein, just west of the Pathfinder, is not well exposed on this group, covered with slide. It shows a material width, in places up to 30 ft. and is said to show good values in silver and lead, to the south on the Red Metal Group.

An interesting cut was made last summer near the west side line of the B and B No. 5 in the group to the north, made by Bert Fisher of Houston, Texas. A sample taken by him over a length of 61 ft. gave silver 12 oz., antimony 0.6%, lead 1.2%, and zinc 1.4%. The strike indicates its passing under Profile Gap.

The Willson Shaft, now caved, said to be 30-35 ft. deep, has shown up to 23 oz. silver and some lead and zinc, over widths of 2-3 ft.

Mr. Earl Willson states that the Gold Drift, gave some 3-4 hundred pounds of free panning coarse gold, on a narrow vein. Also cuts in Profile Gap are said to have shown $5.00 in gold at the old price over material widths.

2-b This area is mentioned in numerous government papers, the most detailed statements are contained in Pamphlet No. 44, Idaho Bureau of Mines and Geology, Geology and Ore Deposits near Edwardsburg and Thunder Mountain, Idaho, by P.J.Shemon and C.P.Ross, particularly at pages 22-25.

This deposit is a part of the Johnson Creek Break, situated about 7 miles northwesterly of the Stibnite Break and located for mining claims for 90% of its length, extending from just below the Cox Ranch on the west side of Johnson Creek, down the west side of Johnson Creek, crossing Johnson Creek about 1 mile belot the Antimony Camp, crossing over Yellow Pine Mountain to just above the mouth of Quartz Creek, ex tending up Quartz Creek and over the summitt through Profile Gap and down

Henry T. Abstein
Gordon C. Smith
Lessees.

to Big Creek and probably the same break through the Moscow, Joe David group and on to the McRae Tungsten Group. Scheelite is found on the Anaconda Group, on the west side of Yellow Pine Mountain and a material new find on the east side of Yellow Pine Mountain, about ½ mile south of the East Fork, now being opened by the B radley Mining Co., some float of good grade on both the Dawson and Red Mountain groups on Quartz Creek, south of the Red Metal, on the Red Metal, Glascow and Syringa Groups. See Contour map attached.

3-a The vein in the Willson Shaft is silver and lead, dips 40 to 50 degrees to the west, does not show in the tunnel and may be an offshute of the Pathfinder Vein.

The Scheelite vein dips 80 to 85 degrees to the east and is from 50 to 80 ft. ahead of the tunnel.

The Pathfinder vein dips parallel to the scheelite, it is about 55 ft. beyond the scheelite.

The Jumbo vein, has the same dip and is probably 25 to 40 ft. ahead of the Pathfinder. It was between these two latter veins that we obtained some reaction last fall and where we would like to do some material trenching in the spring.

Cutting the scheelite vein, to drift north and south to the limits of the mineralization.

Obtaining suitable samples between the Pathfinder and Jumbo veins, to crosscut and drift as the showing may justify. Exploring this area will cost $25,000.00.

3-b The feasible time to start is generally about the middle of June (52) and the work should be completed well in advance of the snow fall.

4 See both claim map and map of Willson Tunnel.

5 At the portal of the Willson tunnel is a small blacksmith shop, sufficient for the work.

A cabin (see Claim map) is in good shape and sufficient to house and feed a single crew. Should the contractor wish to work two crews, sleeping quarters with tents could be provided.

There is no usable equipment upon the ground.

6 A timber crib for the storage of ore removed in drifting would be

Henry T. Abstein
Gordon C. Smith
Lessees.

the only new construction required from the exploration loan.

7 We plan, with your approval, to contract the tunnel work and dozing. Outfits with experienced miners and necessary equipment were available this fall and will, we believe, be available next spring.

We were quoted from 20 to 25 dollars per foot, with a reasonable guarantee as to footage or a moving cost. This price to cover wages, equipment, powder, insurance, and all expense of the tunnel, excepting supervision only.

8 A one shift crew would be 1 miner, two muckers, and a cook, or a two shift crew would probably be 2 miners, 4 muckers, and one cook.

The crosscut is solid, granite mostly, and the tunnel has but one set of timbers at the portal only. Drifting on the scheelite vein might require some timbering but the formations on each side are solid.

We would expect to do the supervising on part time only and would cover the sampling, any surveying, reports, accounts and the usual duties of an engineer in charge.

9 Assaying. Our samples to date have all been sent to the Union Assay Office at Salt Lake City, for WO3 determination only. They have, with the one exception noted, been channel samples, cut along the exposed faces and the widths reported being the right angle distance across the formation.

We have mineral lights, acid testing equipment and a Jones sampler. The amount of sampling, charged to the project, would conform to your requirements.

We are qualified to keep the accounts in such a manner that they can readily be checked by a Certified Public Accountant.

10-a We are applying for a loan of $25,000.00 and the drifting showing satisfactory values, we would like to spend the entire amount. On this basis, our participation at 25% would be $6,250.00. We have discussed this loan with some of our clients here, who have expressed interest in providing this amount should we get approval of the loan.

11 On the claim map, the Syringa Placers Nos. 1, 2, and 3 are owned by us. Surface loan, see samples P1-P7, screened to minus 10 mesh gave a minimum of .05 and a maximum of .07 WO3. Panning both north and south of the samples shown and lower to

Henry T. Abstein
Gordon C. Smith
Lessees.

practically at Profile Creek showed similar amounts, but were not assayed. Float ore as mentioned on page 24, of Pamphlet 44 is present in material amounts.

Both the placer and the float are present on the Star and Morning Star and the owners have agreed to meet us at Profile next spring to discuss a lease or participation.

The placer and float are present on the King and Apex, and Apex Fraction of the Glascow Group.

Next summer we plan to sink shafts and make accurate determination of both the placer content and the value and amount of the float.

This matter is mentioned here as showing scheelite occurrence along this zone and may yet be a matter we would like to discuss with you for your participation.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2290
Metal or Mineral
Date Received 12-17-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEC 17 1951

Name and address of applicant

Henry T. Abstein
Gordon C. Smith Lessees
105 Court House,
Boise, Idaho.

Date Dec. 5, 1951.

If you have already filed MF-100, give date filed ....., type of assistance requested exploration loan

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Henry T. Abbott

By Gordon Smith

(Name of company) (Signature of authorized official)

Dec. 5 1951. Lessees.

(Date) (Title)

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

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

Form MF-103, page 1.

Henry T. Abstein
Gordon C. Smith
Lessees

1-a The Syringa Group, comprising

Syringa	Book 11	Page 11
Syringa No. 1	Book 11	Page 12
Syringa No. 2	Book 11	Page 13
Syringa No. 3	Book 11	Page 14
Syringa No. 4	Book 11	Page 15
Syringa No. 5	Book 11	Page 16
Syringa No. 6	Book 11	Page 551

Owned by Earl W. Willson, Yellow Pine, Idaho
Edward E. Willson and Josephine Willson, 1110 First 1st, Napa, California.
Hattie Junella Henderson and Ruth Henderson, 4120 N.E. 2nd Ave., Portland, Oregon.

Syringa No. 7 Book 13 Page 232
Owned by Henry T. Abstein, Yellow Pine, Idaho
Gordon C. Smith, Boise, Idaho.

The Glascow Group, mentioned in the option is not at this time under option to H. T. Abstein and Gordon C. Smith.

These claims, all unsurveyed, are in Sections 24, Township 20 North, Range 8 East, and 19, Township 20 North, Range 9 East, Boise Meridian, Valley County, Idaho.

The claim map submitted was made by Brunton, some chained distances and some pacing.

Conflict shown with the B and B group, not determined as to priority.

Conflict with the Palmetto to be excluded.

1-b Four copies of Lease attached.

1-c Mostly upon the Syringa lode. The outcrop of the Scheelite vein in places is very close to or over the west side line onto the Syringa No. 7, as is also true of the continuation of this vein along the west side line of the Glascow, identical with the east side line of Syringa No. 6. Some float has been found, in place, both sides of these lines.

2-a Scheelite, during the past summer, we did work both with a dozer and trenching, both by hand and by compressor. Our exploration and sampling being confined exclusively to an effort to show an attractive Scheelite showing.

This work is shown on the sketch of the Willson tunnel in its relation to the Scheelite vein, the position of the tranches, the relative elevations and the position of the samples.

The samples, with one exception, were channel samples cut by us along the exposed faces and the widths given are the right angle distanc es across the formation.

Henry T.Abstein
Gordon C.Smith
Lessees.

The samples were crushed, cut with a Jones sampler and assayed by the Union Assay Office of Salt Lake City. The detail and percent of scheelite of the samples is shown on a sheet attached to the sketch of the Willson Tunnel.

Late this fall we got reaction to the light over a material width west of the Pathfinder vein. We believe trenching in this area desirable next summer.

The Pathfinder vein was trenched for several hundred feet prior to our lease. We are told that numerous samples, averaging 4 ft. in width, gave 10-30 oz. silver, about 10% lead and 10% zinc.

The Jumbo vein, just west of the Pathfinder, is not well exposed on this group, covered with slide. It shows a material width, in places up to 30 ft. and is said to show good values in silver and lead, to the south on the Red Metal Group.

An interesting cut was made last summer near the west side line of the B and B No. 5 in the group to the north, made by Bert Fisher of Houston, Texas. A sample taken by him over a length of 61 ft. gave silver 12 oz., antimony 0.6%, lead 1.2%, and zinc 1.4%. The strike indicates its passing under Profile Gap.

The Willson Shaft, now caved, said to be 30-35 ft. deep, has shown up to 25 oz. silver and some lead and zinc, over widths of 2-3 ft.

Mr. Earl Willson states that the Gold Drift, gave some 3-4 hundred pounds of free panning coarse gold, on a narrow vein. Also cuts in Profile Gap are said to have shown $5.00 in gold at the old price over material widths.

2-b This area is mentioned in numerous government papers, the most detailed statements are contained in Pamphlet No. 44, Idaho Bureau of Mines and Geology, Geology and Ore Deposits near Edwardsburg and Thunder Mountain, Idaho, by P.J.Shemon and C.P.Ross, particularly at pages 22-25.

This deposit is a part of the Johnson Creek Break, situated about 7 miles northwesterly of the Stibnite Break and located for mining claims for 90% of its length, extending from just below the Cox Ranch on the west side of Johnson Creek, down the west side of Johnson Creek, crossing Johnson Creek about 1 mile belot the Antimony Camp, crossing over Yellow Pine Mountain to just above the mouth of Quartz Creek, ex tending up Quartz Creek and over the summitt through Profile Gap and down

Henry T. Abstein
Gordon C. Smith
Lessees.

to Big Creek and probably the same break through the Moscow, Joe David group and on to the McRae Tungsten Group. Scheelite is found on the Anaconda Group, on the west side of Yellow Pine Mountain and a material new find on the east side of Yellow Pine Mountain, about ½ mile south of the East Fork, now being opened by the B radley Mining Co., some float of good grade on both the Dawson and Red Mountain groups on Quartz Creek, south of the Red Metal, on the Red Metal, Glascow and Syringa Groups. See Contour map attached.

3-a The vein in the Willson Shaft is silver and lead, dips 40 to 50 degrees to the west, does not show in the tunnel and may be an offshute of the Pathfinder Vein.

The Scheelite vein dips 80 to 85 degrees to the east and is from 50 to 80 ft. ahead of the tunnel.

The Pathfinder vein dips parallel to the scheelite, it is about 55 ft. beyond the scheelite.

The Jumbo vein, has the same dip and is probably 25 to 40 ft. ahead of the Pathfinder. It was between these two latter veins that we obtained some reaction last fall and where we would like to do some material trenching in the spring.

Cutting the scheelite vein, to drift north and south to the limits of the mineralization.

Obtaining suitable samples between the Pathfinder and Jumbo veins, to crosscut and drift as the showing may justify. Exploring this area will cost $25,000.00.

3-b The feasible time to start is generally about the middle of June (52) and the work should be completed well in advance of the snow fall.

4 See both claim map and map of Willson Tunnel.

5 At the portal of the Willson tunnel is a small blacksmith shop, sufficient for the work.

A cabin (see Claim map) is in good shape and sufficient to house and feed a single crew. Should the contractor wish to work two crews, sleeping quarters with tents could be provided.

There is no usable equipment upon the ground.

6 A timber crib for the storage of ore removed in drifting would be

Henry T. Abstein
Gordon C. Smith
Lessees.

the only new construction required from the exploration loan.

7 We plan, with your approval, to contract the tunnel work and dozing. Outfits with experienced miners and necessary equipment were available this fall and will, we believe, be available next spring.

We were quoted from 20 to 25 dollars per foot, with a reasonable guarantee as to footage or a moving cost. This price to cover wages, equipment, powder, insurance, and all expense of the tunnel, excepting supervision only.

8 A one shift crew would be 1 miner, two muckers, and a cook, or a two shift crew would probably be 2 miners, 4 muckers, and one cook.

The crosscut is solid, granite mostly, and the tunnel has but one set of timbers at the portal only. Drifting on the scheelite vein might require some timbering but the formations on each side are solid.

We would expect to do the supervising on part time only and would cover the sampling, any surveying, reports, accounts and the usual duties of an engineer in charge.

9 Assaying. Our samples to date have all been sent to the Union Assay Office at Salt Lake City, for WO3 determination only. They have, with the one exception noted, been channel samples, cut along the exposed faces and the widths reported being the right angle distance across the formation.

We have mineral lights, acid testing equipment and a Jones sampler. The amount of sampling, charged to the project, would conform to your requirements.

We are qualified to keep the accounts in such a manner that they can readily be checked by a Certified Public Accountant.

10-a We are applying for a loan of $25,000.00 and the drifting showing satisfactory values, we would like to spend the entire amount. On this basis, our participation at 25% would be $6,250.00. We have discussed this loan with some of our clients here, who have expressed interest in providing this amount should we get approval of the loan.

11 On the claim map, the Syringa Placers Nos. 1, 2, and 3 are owned by us. Surface loan, see samples P1-P7, screened to minus 10 mesh gave a minimum of .05 and a maximum of .07 WO3. Panning both north and south of the samples shown and lower to

Henry T. Abstein
Gordon C. Smith
Lessees.

practically at Profile Creek showed similar amounts, but were not assayed. Float ore as mentioned on page 24, of Pamphlet 44 is present in material amounts.

Both the placer and the float are present on the Star and Morning Star and the owners have agreed to meet us at Profile next spring to discuss a lease or participation.

The placer and float are present on the King and Apex, and Apex Fraction of the Glascow Group.

Next summer we plan to sink shafts and make accurate determination of both the placer content and the value and amount of the float.

This matter is mentioned here as showing scheelite occurrence along this zone and may yet be a matter we would like to discuss with you for your participation.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2290
Metal or Mineral
Date Received 12-17-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1951

Name and address of applicant

Henry T. Abstein
Gordon C. Smith Lessees
105 Court House,
Boise, Idaho.

Date Dec. 5, 1951.

If you have already filed MF-100, give date filed ....., type of assistance requested Exploration loan

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Henry T. Abstein
by [illegible]

(Name of company)

By [illegible]
(Signature of authorized official)

Dec. 5 1951.
(Date)

Lessee.
(Title)

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

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

Form M-103, page 1.

Henry T. Abstein
Gordon C. Smith
Lessees

1-a The Syringa Group, comprising

Syringa		Book 11	Page 11
Syringa	No. 1	Book 11	Page 12
Syringa	No. 2	Book 11	Page 13
Syringa	No. 3	Book 11	Page 14
Syringa	No. 4	Book 11	Page 15
Syringa	No. 5	Book 11	Page 16
Syringa	No. 6	Book 11	Page 551

Owned by Karl W. Willson, Yellow Pine, Idaho
Edward E. Willson and Josephine Willson,
1110 First 1st, Napa, California.
Mattie Junalla Henderson and Ruth Henderson,
4120 N.E. 2nd Ave., Portland, Oregon.

Syringa No. 7 Book 13 Page 232
Owned by Henry T. Abstein, Yellow Pine, Idaho
Gordon C. Smith, Boise, Idaho.

The Glasgow Group, mentioned in the option is not at this time under option to H. T. Abstein and Gordon C. Smith.

These claims, all unsurveyed, are in Sections 24, Township 20 North, Range 8 East, and 19, Township 20 North, Range 9 East, Boise Meridian, Valley County, Idaho.

The claim map submitted was made by Brunton, some chained distances and some pacing.

Conflict shown with the B and B group, not determined as to priority.

Conflict with the Palmetto to be excluded.

1-b Four copies of Lease attached.

1-c Mostly upon the Syringa lode. The outcrop of the Scheelite vein in places is very close to or over the west side line onto the Syringa No. 7, as is also true of the continuation of this vein along the west side line of the Glasgow, identical with the east side line of Syringa No. 6. Some float has been found, in place, both sides of these lines.

2-a Scheelite, during the past summer, we did work both with a dozer and trenching, both by hand and by compressor. Our exploration and sampling being confined exclusively to an effort to show an attractive Scheelite showing.

This work is shown on the sketch of the Willson tunnel in its relation to the Scheelite vein, the position of the trenches, the relative elevations and the position of the samples.

The samples, with one exception, were channel samples cut by us along the exposed faces and the widths given are the right angle distance es across the formation.

Henry T.Abstein
Gordon C.Smith
Lessees.

The samples were crushed, cut with a Jones sampler and assayed by the Union Assay Office of Salt Lake City. The detail and percent of scheelite of the samples is shown on a sheet attached to the sketch of the Willson Tunnel.

Late this fall we got reaction to the light over a material width west of the Pathfinder vein. We believe trenching in this area desirable next summer.

The Pathfinder vein was trenched for several hundred feet prior to our lease. We are told that numerous samples, averaging 4 ft. in width, gave 10-30 oz. silver, about 10% lead and 10% zinc.

The Jumbo vein, just west of the Pathfinder, is not well exposed on this group, covered with slide. It shows a material width, in places up to 30 ft. and is said to show good values in silver and lead, to the south on the Red Metal Group.

An interesting cut was made last summer near the west side line of the B and B No. 3 in the group to the north, made by Bert Fisher of Houston, Texas. A sample taken by him over a length of 61 ft. gave silver 12 oz., antimony 0.6%, lead 1.8%, and zinc 1.4%. The strike indicates its passing under Profile Gap.

The Willson Shaft, now caved, said to be 30-35 ft. deep, has shown up to 35 oz. silver and some lead and zinc, over widths of 2-3 ft.

Mr. Earl Willson states that the Gold Drift, gave some 3-4 hundred pounds of free panning coarse gold, on a narrow vein. Also cuts in Profile Gap are said to have shown $5.00 in gold at the old price over material widths.

2-b This area is mentioned in numerous government papers, the most detailed statements are contained in Pamphlet No. 44, Idaho Bureau of Mines and Geology, Geology and Ore Deposits near Edwardsburg and Thunder Mountain, Idaho, by F.J.Thomson and C.F.Ross, particularly at pages 22-25.

This deposit is a part of the Johnson Creek Break, situated about 7 miles northwesterly of the Stibnite Break and located for mining claims for 90% of its length, extending from just below the Cox Ranch on the west side of Johnson Creek, down the west side of Johnson Creek, crossing Johnson Creek about 1 mile belot the Antimony Camp, crossing over Yellow Pine Mountain to just above the mouth of Quartz Creek, ex tending up Quartz Creek and over the summitt through Profile Gap and down

Henry T. Abstein
Gordon C. Smith
Lessees.

to Big Creek and probably the same break through the Moscow, Joe David group and on to the McKee Tungsten Group. Scheelite is found on the Anaconda Group, on the west side of Yellow Pine Mountain and a material new find on the east side of Yellow Pine Mountain, about ½ mile south of the East Fork, now being opened by the B radley Mining Co., some float of good grade on both the Lawson and Red Mountain groups on Quartz Creek, south of the Red Metal, on the Red Metal, Glasgow and Syringa Groups. See Contour map attached.

3-a The vein in the Willson Shaft is silver and lead, dips 40 to 50 degrees to the west, does not show in the tunnel and may be an offshute of the Pathfinder Vein.

The scheelite vein dips 80 to 85 degrees to the east and is from 50 to 80 ft. ahead of the tunnel.

The Pathfinder vein dips parallel to the scheelite, it is about 55 ft. beyond the scheelite.

The Jumbo vein, has the same dip and is probably 35 to 40 ft. ahead of the Pathfinder. It was between these two latter veins that we obtained some reaction last fall and where we would like to do some material tronching in the spring.

Cutting the scheelite vein, to drift north and south to the limits of the mineralization.

Obtaining suitable samples between the Pathfinder and Jumbo veins, to crosscut and drift as the showing may justify. Exploring this area will cost $25,000.00.

3-b The feasible time to start is generally about the middle of June (62) and the work should be completed well in advance of the snow fall.

4 See both claim map and map of Willson Tunnel.

5 At the portal of the Willson tunnel is a small blacksmith shop, sufficient for the work.

A cabin (see claim map) is in good shape and sufficient to house and feed a single crew. Should the contractor wish to work two crews, sleeping quarters with tents could be provided.

There is no usable equipment upon the ground.

6 A timber crib for the storage of ore removed in drifting would be

Henry T. Abstein
Gordon C. Smith
Lessees.

the only new construction required from the exploration loan.

7 We plan, with your approval, to contract the tunnel work and dozing. Outfits with experienced miners and necessary equipment were available this fall and will, we believe, be available next spring.

We were quoted from 20 to 25 dollars per foot, with a reasonable guarantee as to footage or a moving cost. This price to cover wages, equipment, powder, insurance, and all expense of the tunnel, excepting supervision only.

8 A one shift crew would be 1 miner, two muckers, and a cook, or a two shift crew would probably be 2 miners, 4 muckers, and one cook.

The crosscut is solid, granite mostly, and the tunnel has but one set of timbers at the portal only. Drifting on the scheelite vein might require some timbering but the formations on each side are solid.

We would expect to do the supervising on part time only and would cover the sampling, any surveying, reports, accounts and the usual duties of an engineer in charge.

9 Assaying. Our samples to date have all been sent to the Union Assay Office at Salt Lake City, for WO3 determination only. They have, with the one exception noted, been channel samples, cut along the exposed faces and the widths reported being the right angle distance across the formation.

We have mineral lights, acid testing equipment and a Jones sampler. The amount of sampling, charged to the project, would conform to your requirements.

We are qualified to keep the accounts in such a manner that they can readily be checked by a Certified Public Accountant.

10-a We are applying for a loan of $25,000.00 and the drifting showing satisfactory values, we would like to spend the entire amount. On this basis, our participation at 25% would be $6,250.00. We have discussed this loan with some of our clients here, who have expressed interest in providing this amount should we get approval of the loan.

11 On the claim map, the Syringa Placers Nos. 1, 2, and 3 are owned by us. Surface loam, see samples P1-P7, screened to minus 10 mesh gave a minimum of .06 and a maximum of .07 WO3. Panning both north and south of the samples shown and lower to

Henry T. Abstein
Gordon C. Smith
Lessees.

practically at Profile Creek showed similar amounts, but were not assayed. Float ore as mentioned on page 24, of Pamphlet 44 is present in material amounts.

Both the placer and the float are present on the Star and Morning Star and the owners have agreed to meet us at Profile next spring to discuss a lease or participation.

The placer and float are present on the King and Apex, and Apex Fraction of the Glasgow Group.

Next summer we plan to sink shafts and make accurate determination of both the placer content and the value and amount of the float.

This matter is mentioned here as showing scheelite occurrence along this zone and may yet be a matter we would like to discuss with you for your participation.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

FOR USE UNDER THE

DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2290

Date received 12-17-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1951

Henry T. Abstein
Gordon C. Smith Lessees
105 Court House,
Boise, Idaho.

Name and address of applicant

Date December 5, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		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.

12. Ore or Mineral Reserves:

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

Form MF-100, page 1.

Henry T. Abstein,
Yellow Pine, Idaho.
Gordon C. Smith,
105 Court House, Boise, Idaho.

1-a Scheelite

1-b Lead, zinc, silver, trace of gold.

2 Syringa Group, also known as the Willson property, the workings of Profile Mem. One time named the Victor Group.

2-a Shafts 35 ft., now caved.

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3-a Syringa group to Stibnite - 18 miles by road - 11.5 miles southeasterly by air line.
Syringa Group to Yellow Pine- 14 miles.
Yellow Pine to Cascade- 66 miles.
Yellow Pine to McCall by the new road to be completed in 1952 about 50 miles.

3-b-d Yellow Pine Mining District, Sections 13 and 24, Township 20 North, Range 8 and 9 East, Boise Meridian, Valley County, Idaho.

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Form MF-100, page 2.

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16. No definite payroll period. Labor is scarce in Yellow Pine as in other mining districts.

17 No equipment, excepting only a cabin and blacksmith shop sufficient for the development period.

(*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.

Henry T. Abstein

By Andrew Smith

(Name of company) (Signature of authorized official)

Dec. 5 1951. Lessees

(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-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2290

Date received 12-17-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1951

Henry T. Abstein
Gordon C. Smith Lessees
105 Court House,
Boise, Idaho.

Name and address of applicant

Date December 5, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
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   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
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5. Number of years in production _____

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
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Form MF-100, page 1.

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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.

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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.

Henry T. Ostein

By Andrew Smith

(Name of company) (Signature of authorized official)

Aug. 5 1951. Lessees.

(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-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2290

Date received 12-17-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1951

Henry T. Abstein
Gordon C. Smith Lessees
105 Court House,
Boise, Idaho.

Name and address of applicant

Date December 5, 1951.

INSTRUCTIONS

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By Gordon Smith

(Name of company) (Signature of authorized official)

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

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

FOR USE UNDER THE

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NOT TO BE FILLED IN BY APPLICANT

Docket No. OMEA-2290

Date received 12-17-51

DEPARTMENT OF THE INTERIOR
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Date December 5, 1951.

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		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.

12. Ore or Mineral Reserves:

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

Form MF-100, page 1.

Henry T. Abstein,
Yellow Pine, Idaho.
Gordon C. Smith,
105 Court House, Boise, Idaho.

1-a Scheelite

1-b Lead, zinc, silver, trace of gold.

2 Syringa Group, also known as the Willson property, the workings of Profile Sam. One time named the Victor Group.

2-a Shafts 35 ft., now caved.

2-b Drifts 35 ft. on Gold Ledge.

2-c Adits. The Willson Tunnel - 540 ft.

2-d Open cuts as shown on sketch of Willson Tunnel. The adit or Willson Tunnel is self draining.

3-a Syringa group to Stibnite - 18 miles by road - 11.5 miles southeas terly by air line.
Syringa Group to Yellow Pine- 14 miles.
Yellow Pine to Cascade- 66 miles.
Yellow Pine to McCall by the new road to be completed in 1952 about 50 miles.

3-b-d Yellow Pine Mining District, Sections 19 and 24, Township 20 North, Range 8 and 9 East, Boise Meridian, Valley County, Idaho.

4-a Prospected by us during the season of 1951, using angle dozer, compressor and some hand trenching as lessee.

5 None. Possible some production late 1952 and development justifying after exploration by development loan during the winter and summer following and thereafter.

6 We are both mining engineers of many years experience, both members of the A.I.M. & M.E. We expect to supervise the exploration.

7-a This group, then named the Victor, was first located during the Thunder Mounta in Boom in 1902 for the gold and silver values. Tungsten was discovered in 1942 and three short drill holes were put down in connection with an exploration of the adjoining Glascow. The results of these three holes is not known. During the past summer the present lessees, with cat and compressor, exposed 600 feet in strike length in varying widths up to 15 ft. of scheelite in the lime and argillite. See sketch of Willson Tunnel.

Henry H. Abstein,
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7-b The nearest producing mines are the properties of the Bradley Mining Co., and the United Mercury at the Hermes, both of which are too well known to need comment here.

7-c We have no copies of other reports on this property and know of no metallurgical tests that have been made.

8 Not incorporated.

9 None.

12 The scheelite vein is opened only by surface cuts, which have been sampled, platted and shown in detail with assay results on sketch of Willson Tunnel, hereto attached.

13 The road to the East Fork of the South Fork of Salmon River is a single track road, constructed by the Forest Service and maintained by them. See 3-a.

14 Flow of Profile Creek about 3 cu. ft. per sec. during spring, summer and fall. No data as to minimum flow during cold weather.

15 Closest electric power is at Stibnite, 18 miles distant. For development gasoline or diesel will be used.

16. No definite payroll period. Labor is scarce in Yellow Pine as in other mining districts.

17 No equipment, excepting only a cabin and blacksmith shop sufficient for the development period.

(*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.

Henry T. Abstein

By Gordon Smith,

(Name of company) (Signature of authorized official)

Dec. 5, 1951. Lessees.

(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.

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NOTE: The quartz latite porphyry and lamprophyre relationships are generalized.

Geology of Wilson and Glasgow tunnels from Pamphlet 44, Idaho Bureau of Mines and Geology, 1936, by P. J. Shenon.
Location of Wilson tunnel from map by G. C. Smith, 1951.
Topography and surface geology by J. J. Quinlan and E. H. Roseboom, U.S.G.S., August, 1952.

GEOLOGIC MAP OF TUNGSTEN AREA, SYRINGA GROUP AND GLASGOW CLAIM, VALLEY COUNTY, IDAHO

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