DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip Tungsten

CONTROLLED DOCUMENT

DMA Docket No. 1905

DO NOT DETACH THIS SLIP

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

This document has been recorded as
An Exploration

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

Routing Slip

To:	Mr. Rodberg	Date	8/2/51
To:	P.E. Dir.	Date	12/11/51
To:	Op Com	Date	8-1-52
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

AUG 4 1952

Mr. R. O. Nelson
1611 Pennsylvania Road
Boise, Idaho

Re: Docket No. IMA 1905X - Tungsten
The Independence Claims
Blaine and Butte Counties, Idaho

Dear Mr. Nelson:

Your application for an exploration project and other data and reports relating to your above-noted property available to us in Washington have been carefully reviewed.

This information, while noting a small amount of tungsten mineralization on your property, indicates that, geologically, there is little probability of making a significant mineral discovery.

We have been holding this docket in abeyance at your request since the examination by the field team on September 19, 1951. You then stated that you planned to do sufficient bulldozing of the outcrop to determine if the occurrence would warrant exploration by the Government under the Defense Minerals Exploration Program since the present indications are negative. In your recent letter of July 19, 1952, you asked if the Government would help with the expense of this bulldozing. The deposit, as it is now known, does not qualify under the program of the Defense Minerals Exploration Administration. 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. If future prospecting at your property reveals additional information which would alter our opinion, please be assured that we will be glad to consider a new application. A new application should include any new data and a detailed plan of exploration.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

FARutledge:lm
7/29/52

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

Acting Administrator, DMEA July 28, 1952

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $11,885.00
Docket No. DMA 1905K - Tungsten
R. O. Nelson
The Independence Claims
Blaine and Butte Counties, Idaho

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

1. An examination by the field team indicated the property has little merit and does not warrant DMEA assistance.

2. The docket has been held in abeyance at the owner's request until contemplated surface exploration was completed. The owner now wishes the Government to assist in this exploration. He is being informed that this exploration does not qualify under the DMEA Program and that his application is being denied.

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

FARutledge'lm
7/28/52

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

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

July 23, 1952

Dear 1905

Mr. R. G. Nelson
1611 Pennsylvania Road
Boise, Idaho

Dear Mr. Nelson:

Some time ago we received a copy of a letter to you from Mr. S. C. Saltridge, Chief of the Iron and Ferro-Alloy Division, DMA, which inquired as to your intentions concerning your application on your tungsten property in Blaine and Butte Counties, Idaho. You will recall that you had told Mr. Thor Hillsgaard that you intended to do more work on your property and that pending the outcome of that work, you wished to have your application held in abeyance. We are wondering if that work has been accomplished and, if so, whether you wish to have your application reconsidered. We would appreciate your advice on this matter.

Mr. Hillsgaard will be in Bailey between August 1 and August 5 and would at that time be interested in re-examining your property if such an examination should be warranted.

Sincerely yours,

Thor S. Hillsgaard
for: A. L. Schoonborn
Executive Officer, DMA
Field Team, Region II

RECEIVED BY DEFENSE MINERALS
Defense Minerals Administration
JUL 28 1952

cc: USBM
DMA ✓

Copy retained 400

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

No. 157 Howard Street
Spokane 4, Washington

July 23, 1952

Mr. R. G. Nelson
1011 Fernwood Road
Boise, Idaho

Dear Mr. Nelson:

Some [illegible] received a copy of a letter to you from Mr. [illegible] Gelderloos, Chief of the Iron and Ferro-Alloys Division, DMA, which inquired as to your intentions concerning your application on your tungsten property in Blaine and Butte Counties, Idaho. You will recall that [illegible] you informed Mr. Elmer Billingsland that you intended to do [illegible] work on your property [illegible] during the outcome of that work, you wished to have your application held in abeyance. We are wondering if that work has been accomplished and, if so, whether you wish to have your application reinstated. We would appreciate your advice on this matter.

Mr. Billingsland will be in Idaho between August 1 and August 5 and would at that time be interested in re-examining your property if such an examination should be warranted.

Sincerely yours,

Thos. A. Billingsland
for: A. G. Mitchell
Executive Director, DMA
Field Team, Region XI

cc: USGS
DMA

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
JUL 28 1952

EXPEDITE

Mr. R. O. Nelson
1611 Commander Road
Boise, Idaho

Re: Docket No. DMA 1905 - Tungsten
The Independence Claims
Blaine and Butte Counties, Idaho

Dear Mr. Nelson:

Our letter of June 9 requested information as to whether or not you had yet done the bulldozing work on the subject property and could advise us of the results in order that we might continue the processing of your application for exploration assistance. To date a reply has not been received from you.

Your application is now almost a year old. We would like to clear all of the old D.M.A. applications from our active files. It is suggested that you either request that the application be withdrawn or submit the information necessary for the D.M.E.A. to process it. In case at a future date you would file a new application, I can assure you that it would be expeditiously processed by this Administration.

We wish to allow you ample time but if no reply is received from you by August 1, 1952, we will then remove your present application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

LScott
7/3/52

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

APPLICATION

Mr. E. O. Nelson
1611 Pennsylvania Road
Boise, Idaho

Re: Docket No. DMA 1905X - Tungsten
The Independence Claims
Blaine and Butte Counties, Idaho

Dear Mr. Nelson:

During the review of the above-referenced docket, it was noted that your property was examined on September 19, 1951, and that by mutual agreement, it was believed best that further processing of the subject application be held in abeyance until you had done some bulldozing on the property and had advised us of the results.

To date, we have had no word from you. We would appreciate hearing from you at your earliest convenience.

Sincerely yours,

George C. Selfridge

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

GCSelfridge:lm
6/6/52

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

147A
file

November 28, 1951

MEMORANDUM

TO: Operating Committee, DMEA

FROM: Field Team, Region II

SUBJECT: Application for DMEA exploration lease, submitted by K. O. Nelson concerning a tungsten property, Blaine and Custer Counties, Idaho

Enclosed is a memo on the subject property by Thor H. Kiilsgaard, recommending that the application be held in abeyance pending further notification from the applicant.

The present showings do not justify the DMEA exploration contract; should work that the applicant proposes to do indicate that the mineralization is stronger or more continuous than is now thought to be the case, there would be justification for considering a new proposal.

BY: FIELD TEAM, REGION II, DMEA

E. E. Eisenbarth
Executive Officer

Enclosure

K. S. Volin
Member

cc: U.S.B.M. - Spokane
U.S.B.M. - Albany

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] Howard Street
[illegible], Washington

November 2[illegible], 19[illegible]

I-7A file

MEMORANDUM

To: A.[illegible] Heisenborn, Exec. Officer, [illegible], Field Team, Region II

From: Thor H. Kiltsgard, Geologist, U. S. Geological Survey

Subject: Application for FMLA exploration loan assistance submitted by R. O. Nelson, concerning a Tungsten property, Blaine and Butte Counties, Idaho.

RECOMMENDATION

It is recommended that the subject application be placed in the inactive file and held in abeyance pending further notification from the applicant.

INTRODUCTION

Mr. R. O. Nelson submitted an application for mine exploration assistance on [illegible] 26, 19[illegible]. One copy of the application was retained at this office to facilitate field examination. On September [illegible], the subject property was examined in company with the applicant. Very little geologic information could be gathered during the examination inasmuch as the outcrop is poorly exposed, and since the last and only work done on the property was during World War I. This work consisted chiefly of a small, hand-dug open cut which reportedly produced some tungsten ore; the cut is now nearly sloughed.

Following the examination, it was pointed out to Mr. Nelson that the property has little merit and does not warrant loan assistance. Mr. Nelson agreed that exploration targets were meager but stated that he had more or less inherited the property and that he wished to conclusively determine whether the property warranted further exploration or should be forgotten. He stated that inasmuch as he owned his own bulldozer he would conduct a limited bulldozing program with his own means. In the event this program proved successful he would ask for reconsideration of his application.

Mr. Nelson asked that his application be held pending further notification from him concerning results of the bulldozing program. He planned to commence bulldozing at the earliest practicable date, either this fall or next spring. To date, no further word has been received from Nelson. It is therefore suggested that the subject application and report be forwarded to Washington, D.C. to be held in abeyance pending further notification from the applicant.

LOCATION

The Nelson property lies within a few feet of the summit of Blizzard Mountain at an elevation of approximately 9,500 feet. The property is about 20 miles west of Arco, Idaho in T. 2 N., R. 24 E., partly in Bleine and partly in Butte Counties.

An unimproved road extends from the Martin Post Office, located north of Craters of the Moon National Park, to the divide north of Blizzard Mountain. From the divide to the property, a distance of about 2,000 feet, access can be made only on foot or horseback.

The Independence and Independence No. 1 unpatented mining claims comprise the property.

GEOLOGY

The Nelson deposit occurs in a brecciated zone at the contact of Mississippian sedimentary rocks and a granitic stock. The brecciated zone strikes N. 30° E., and dips steeply to the northwest. The zone ranges from 2 to 4 feet in width and is made up of veinlets and bunches of quartz in the crushed igneous and sedimentary rock. Quartz-lined vugs are numerous and characteristic of the vein filling. The tungsten ore is hubnerite occurs in scattered platy aggregates and isolated plates in the coarse textured quartz. Some hubnerite is reported to have been shipped during World War I but there are no production records.

CONCLUSIONS

Mr. Nelson proposes to explore the property with his own means by bulldozing a series of trenches across the igneous-sedimentary rock contact to determine the extension of the mineralized zone. In the event this bulldozing project proves the deposit to be stronger and more continuous than it is now thought to be, DMA assistance for an additional exploration program might be justified.

cc: U.S.B.M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

November 2, 1951

MEMORANDUM

To: A.L. Weissenborn, Exec. Officer, DMEA, Field Team, Region II

From: Thor N. Killingsland, Geologist, U. S. Geological Survey

Subject: Application for DMEA exploration loan assistance submitted by R. D. Nelson, concerning a Tungsten property, Blaine and Butte Counties, Idaho.

RECOMMENDATION

It is recommended that the subject application be placed in the inactive file and held in abeyance pending further notification from the applicant.

INTRODUCTION

Mr. R. D. Nelson submitted an application for DMEA exploration assistance on July 25, 1951. One copy of the application was retained at this office to facilitate field examination. On September 19, the subject property was examined in company with the applicant. Very little geologic information could be gathered during the examination inasmuch as the outcrop is poorly exposed, and since the last and only work done on the property was during World War I. This work consisted chiefly of a small, hand-dug open cut which reportedly produced some tungsten ore; the cut is now badly sloughed.

Following the examination, it was pointed out to Mr. Nelson that the property has little merit and does not warrant DMEA assistance. Mr. Nelson agreed that exploration targets were meager but stated that he had more or less inherited the property and that he wished to conclusively determine whether the property warranted further exploration or should be forgotten. He stated that inasmuch as he owned his own bulldozer he would conduct a limited bulldozing program with his own means. In the event this program proved successful he would ask for reconsideration of his application.

Mr. Nelson asked that his application be held pending further notification from him concerning results of the bulldozing program. He planned to commence bulldozing at the earliest practicable date, either this fall or next spring. To date, no further word has been received from Nelson. It is therefore suggested that the subject application and report be forwarded to Washington, D.C. to be held in abeyance pending further notification from the applicant.

LOCATION

The Nelson property lies within a few feet of the summit of Blizzard Mountain at an elevation of approximately 9,350 feet. The property is about 25 miles west of Arco, Idaho in T. 2 N., R. 24 E., partly in Blaine and partly in Butte Counties.

An unimproved road extends from the Martin Post Office, located north of Craters of the Moon National Park, to the divide north of Blizzard Mountain. From the divide to the property, a distance of about 2,000 feet, access can be made only on foot or horseback.

The Independence and Independence No. 1 unpatented mining claims comprise the property.

GEOLOGY

The Nelson deposit occurs in a brecciated zone at the contact of Mississippian sedimentary rocks and a granitic stock. The brecciated zone strikes N. 30° E., and dips steeply to the northwest. The zone ranges from 2 to 5 feet in width and is made up of veinlets and bunches of quartz in the crushed igneous and sedimentary rock. Quartz-lined vugs are numerous and characteristic of the vein filling. The tungsten ore as hubnerite occurs in scattered gritty aggregates and isolated plates in the coarse textured quartz. Some hubnerite is reported to have been shipped during World War I but there are no production records.

CONCLUSIONS

Mr. Nelson proposes to explore the property with his own means by bulldozing a series of trenches across the igneous-sedimentary rock contact to determine the extension of the mineralized zone. In the event this bulldozing project proves the deposit to be stronger and more continuous than it is now thought to be, DMA assistance for an additional exploration program might be justified.

cc: U.S.B.M.

400

DMA-1905

Mr. R. O. Nelson
1611 Pomander Road
Boise, Idaho

Dear Mr. Nelson:

In answer to your letter of October 20, 1951, we can say little more than we did in our letter of September 11, 1951. We have no facilities for running assays nor do we do consulting engineering work.

Until you submit the required information we can take no further action on your application.

Very truly yours,

Tom Lyon

CHJacoby:ll 11/6/51

CC: Adm. File
Adm.
Mr. Holderer
Mr. Feiss

FILE COPY
SURNAME:

Rutledge
Selfridge
Lemmon
Nelson
Hedges
Johnson

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

AUG 4 1952

Mr. R. O. Nelson
1611 Pennsylvania Road
Boise, Idaho

Re: Docket No. DMA 1905X - Tungsten
The Independence Claims
Blaine and Butte Counties, Idaho

Dear Mr. Nelson:

Your application for an exploration project and other data and reports relating to your above-noted property available to us in Washington have been carefully reviewed.

This information, while noting a small amount of tungsten mineralization on your property, indicates that, geologically, there is little probability of making a significant mineral discovery.

We have been holding this docket in abeyance at your request since the examination by the field team on September 19, 1951. You then stated that you planned to do sufficient bulldozing of the outcrop to determine if the occurrence would warrant exploration by the Government under the Defense Minerals Exploration Program since the present indications are negative. In your recent letter of July 19, 1952, you asked if the Government would help with the expense of this bulldozing. The deposit, as it is now known, does not qualify under the program of the Defense Minerals Exploration Administration. 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. If future prospecting at your property reveals additional information which would alter our opinion, please be assured that we will be glad to consider a new application. A new application should include any new data and a detailed plan of exploration.

Sincerely yours,

FARutledge'lm
7/29/52

C. O. Mittendorf
Acting Administrator
Defense Minerals Exploration
Administration

8-4-52

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 : Acting Administrator, DMEA DATE: July 28, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of application for exploration assistance in the amount of $11,885.00
Docket No. DMA 1905X - Tungsten
R. O. Nelson
The Independence Claims
Blaine and Butte Counties, Idaho

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

1. An examination by the field team indicated the property has little merit and does not warrant DMEA assistance.

2. The docket has been held in abeyance at the owner's request until contemplated surface exploration was completed. The owner now wishes the Government to assist in this exploration. He is being informed that this exploration does not qualify under the DMEA Program and that his application is being denied.

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.

Acting Administrator, DMEA

July 28, 1952

Rutledge
Selfridge
Sherman

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $11,885.00
Docket No. DMA 1905X - Tungsten
R. O. Nelson
The Independence Claims
Blaine and Butte Counties, Idaho

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

1. An examination by the field team indicated the property has little merit and does not warrant DMEA assistance.

2. The docket has been held in abeyance at the owner's request until contemplated surface exploration was completed. The owner now wishes the Government to assist in this exploration. He is being informed that this exploration does not qualify under the DMEA Program and that his application is being denied.

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

FARutledge'lm
7/28/52

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 25 1952

July 19, 1952

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

Docket No DMA 1905x
Tungsten -- Independence
Blaine and Butte
Counties, Idaho

Dear Sir:

In reply to your letters of June 9th and July 7th concerning the Tungsten Claims.

It has been impossible for me to do the bulldozing work because of time, weather and expense. However -- I do believe part of the expense of bulldozing such as repairs, moving, fuel and labor should be paid by the Government. Will the Government help with these expenses?

Yours very truly,

R. O. Nelson

RON/h

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

400

FILE COPY
SURNAME:

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

Selfridge

JUL 7 - 1952

Mr. R. O. Nelson
1611 Pomander Road
Boise, Idaho

Re: Docket No. DMA 1905X - Tungsten
The Independence Claims
Blaine and Butte Counties, Idaho

Dear Mr. Nelson:

Our letter of June 9 requested information as to whether or not you had yet done the bulldozing work on the subject property and could advise us of the results in order that we might continue the processing of your application for exploration assistance. To date a reply has not been received from you.

Your application is now almost a year old. We would like to clear all of the old D.M.A. applications from our active files. It is suggested that you either request that the application be withdrawn or submit the information necessary for the D.M.E.A. to process it. In case at a future date you would file a new application, I can assure you that it would be expeditiously processed by this Administration.

We wish to allow you ample time but if no reply is received from you by August 1, 1952, we will then remove your present application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf (for) 7/7/52

Acting Administrator
Defense Minerals Exploration
Administration

LScott
7/3/52

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

400

FILE COPY
SURNAME:

Selfridge.

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

JUN 9 1952

Mr. R. O. Nelson
1611 Fernander Road
Boise, Idaho

Re: Docket No. DMA 1905X - Tungsten
The Independence Claims
Blaine and Butte Counties, Idaho

Dear Mr. Nelson:

During the review of the above-referenced docket, it was noted that your property was examined on September 19, 1951, and that by mutual agreement, it was believed best that further processing of the subject application be held in abeyance until you had done some bulldozing on the property and had advised us of the results.

To date, we have had no word from you. We would appreciate hearing from you at your earliest convenience.

Sincerely yours,

George C. Selfridge 6/9

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

GCSelfridge'lm
6/6/52

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

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

Reviewed by Dmea Operating Com. 12/7/51 HB

Dmea 1905

November 28, 1951

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 1 0 1951
Defense Minerals Administration,
Production Expansion Division.

MEMORANDUM

TO: Operating Committee, DMEA

FROM: Field Team, Region II

SUBJECT: Application for DMEA exploration loan, submitted by R. O. Nelson concerning a tungsten property, Blaine and Butte Counties, Idaho

Enclosed is a memo on the subject property by Thor H. Kiilsgaard, recommending that the application be held in abeyance pending further notification from the applicant.

The present showings do not justify the DMEA exploration contract; should work that the applicant proposes to do indicate that the mineralization is stronger or more continuous than is now thought to be the case, there would be justification for considering a new proposal.

BY: FIELD TEAM, REGION II, DMEA

A. E. Weissenborn
A. E. Weissenborn
Executive Officer

M. E. Volin
M. E. Volin
Member

Enclosure

cc: U.S.B.M. - Spokane
U.S.B.M. - Albany

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
DEC 4 4 88 20 PM 1951

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

November 26, 1951

MEMORANDUM

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

From: Thor H. Kiilsgaard, Geologist, U. S. Geological Survey

Subject: Application for DMEA exploration loan assistance submitted by R. O. Nelson, concerning a Tungsten property, Blaine and Butte Counties, Idaho.

RECOMMENDATION

It is recommended that the subject application be placed in the inactive file and held in abeyance pending further notification from the applicant.

INTRODUCTION

Mr. R. O. Nelson submitted an application for DMEA exploration assistance on July 23, 1951. One copy of the application was retained at this office to facilitate field examination. On September 19, the subject property was examined in company with the applicant. Very little geologic information could be gathered during the examination inasmuch as the outcrop is poorly exposed, and since the last and only work done on the property was during World War I. This work consisted chiefly of a small, hand-dug open cut which reportedly produced some tungsten ore; the cut is now badly sloughed.

Following the examination, it was pointed out to Mr. Nelson that the property has little merit and does not warrant DMEA assistance. Mr. Nelson agreed that exploration targets were meager but stated that he had more or less inherited the property and that he wished to conclusively determine whether the property warranted further exploration or should be forgotten. He stated that inasmuch as he owned his own bulldozer he would conduct a limited bulldozing program with his own means. In the event this program proved successful he would ask for reconsideration of his application.

Mr. Nelson asked that his application be held pending further notification from him concerning results of the bulldozing program. He planned to commence bulldozing at the earliest practicable date, either this fall or next spring. To date, no further word has been received from Nelson. It is therefore suggested that the subject application and report be forwarded to Washington, D.C. to be held in abeyance pending further notification from the applicant.

See holding at Regular of Applicant

LOCATION

The Nelson property lies within a few feet of the summit of Blizzard Mountain at an elevation of approximately 9,350 feet. The property is about 25 miles west of Arco, Idaho in T. 2 N., R. 24 E., partly in Blaine and partly in Butte Counties.

An unimproved road extends from the Martin Post Office, located north of Craters of the Moon National Park, to the divide north of Blizzard Mountain. From the divide to the property, a distance of about 2,000 feet, access can be made only on foot or horseback.

The Independence and Independence No. 1 unpatented mining claims comprise the property.

GEOLOGY

The Nelson deposit occurs in a brecciated zone at the contact of Mississippian sedimentary rocks and a granitic stock. The brecciated zone strikes N. 30° E., and dips steeply to the northwest. The zone ranges from 2 to 5 feet in width and is made up of veinlets and bunches of quartz in the crushed igneous and sedimentary rock. Quartz-lined vugs are numerous and characteristic of the vein filling. The tungsten ore as hubnerite occurs in scattered platy aggregates and isolated plates in the coarse textured quartz. Some hubnerite is reported to have been shipped during World War I but there are no production records.

CONCLUSIONS

Mr. Nelson proposes to explore the property with his own means by bulldozing a series of trenches across the igneous-sedimentary rock contact to determine the extension of the mineralized zone. In the event this bulldozing project proves the deposit to be stronger and more continuous than it is now thought to be, DMA assistance for an additional exploration program might be justified.

cc: U.S.B.M.

NOV 8 1951

DMA - 1905

Mr. R. O. Nelson
1611 Pensander Road
Boise, Idaho

Dear Mr. Nelson:

In answer to your letter of October 29, 1951, we can say little more than we did in our letter of September 11, 1951. We have no facilities for running assays nor do we do consulting engineering work.

Until you submit the required information we can take no further action on your application.

Very truly yours,

Signed

Tom Lyon

CHJacoby:ll 11/6/51

CC: Adm. File
Adm.
Mr. Feiss
Mr. Holderer

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George B. Holderer DATE: November 2, 1951

FROM : T. P. Thayer Thayer

SUBJECT: DMA-1905 Tungsten. W. O. Nelson, Boise, Idaho.

A review of Dwight's memo on the original docket indicates that a field examination would probably find little more than a caved hole in the ground. I would recommend that the application be denied on the basis that no information has been submitted that indicates a worthwhile deposit, and that the docket be sent to the field for a visit when someone is in the vicinity.

George B. Holderer November 2, 1951

T. P. Thayer

DMA-1905 Tungsten. W. O. Nelson, Boise, Idaho.

A review of Dwight's memo on the original docket indicates that a field examination would probably find little more than a caved hole in the ground. I would recommend that the application be denied on the basis that no information has been submitted that indicates a worthwhile deposit, and that the docket be sent to the field for a visit when someone is in the vicinity.

TPThayer:gt

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 26 10 05 AM '51

October 20, 1951

George B Holderer
Chief, Tungsten Branch
Defense Minerals Administration
Washington 25, D. C.

Dear Mr. Holderer:

This in in reply to your letter dated September 12, 1951 (DMA-1905)

It will be impossible to cut samples as you request or furnish an engineers map. A sample was sent to you and so far no reply concerning it.

As to your doubts concerning the property during World War 11 --- I was in Oregon and my brother was in the South Pacific.

A government engineer, from the Department of the Interior has inspected the property and was impressed with what he found. I might say -- he seemed to be an outstanding individual and it was a pleasure to take him around.

The cost seems just and if, you would just visit this mine -- all might be cleared. It is to the Government needs that this property should at least be inspected by your Department.

Yours very truly,

R. O. Nelson

RON/h

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

340 FILE COPY
SURNAME:

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

Holderer
Jacoby

SEP 12 1951

Mr. R. C. Nelson
1611 Pomander Road
Boise, Idaho

In reply please refer to
DMA-1905

Dear Mr. Nelson:

In our letter of August 17, 1951 we asked you for assay information. This assay information must be representative of the material which you would expect to mine as ore. Channel samples should be cut perpendicular to the strike of the vein. In your letter dated August 27, 1951, you say the vein can be traced several thousand feet. Samples at intervals of say 200 feet, should be taken and assayed. This information should then be placed on a carefully drawn sketch.

You refer to Mr. Alfred L. Anderson's pamphlet concerning your deposit. Quoting from that article, "Little of the huebnerite is to be seen in the manganese -stained rock, and fresh specimens of either huebnerite or its oxide, tungstite, are difficult to find. Apparently the lode has been highly mineralized and judging from development efforts is not considered promising." This, coupled with the fact that the property was not worked during World War II, raises doubts in our minds as to the commercial value of the property. In order to justify the expense of a field examination, it is necessary for you to supply us with the required information. The character of this information must lead us to believe there is something to be gained by a field examination.

In answer to question 21 you say, "The enclosed map will answer this question." From the enclosed map we can see that you propose four open cuts, one of which is to be ten feet deep. In your MF-103 you propose cleaning out old workings 10 to 15 feet below ground level and two or three open cuts. No profile or scaled drawing goes with your statement, but certainly this small amount of work doesn't require a loan of $11,885.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

8-9/12

CHJacoby:ec
Sept. 11, 1951

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

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

AUG 30 9 25 AM '51

August 27, 1951

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

Refer to DMA 1905

Dear Mr. Holderer:

The following data and information is furnished as requested by your letter of August 17, 1951.

18.b Assay maps are not available. It seems as though an engineer from your Department should cut samples for assaying. As one can cut a sample that will run 50% Tungsten or one that will just be rock. However, I am enclosing a number of hand picked samples that came from various test holes across the vein. The vein can be traced for several thousand feet.

21. The enclosed map will answer this question.

22. A map of this Lava Creek Mining District can be found in Pamphlet No 22 -- dated August 1929 -- Name Geology and Ore Deposits of the Lava Creek Mining District by Alfred L. Anderson. This was published by the University of Idaho at Moscow, Idaho, and is now out of print. A copy should be on file in your department.

Will be glad to furnished further information if, it can be found or answer any questions. I am,

Yours very truly,

R. O. Nelson

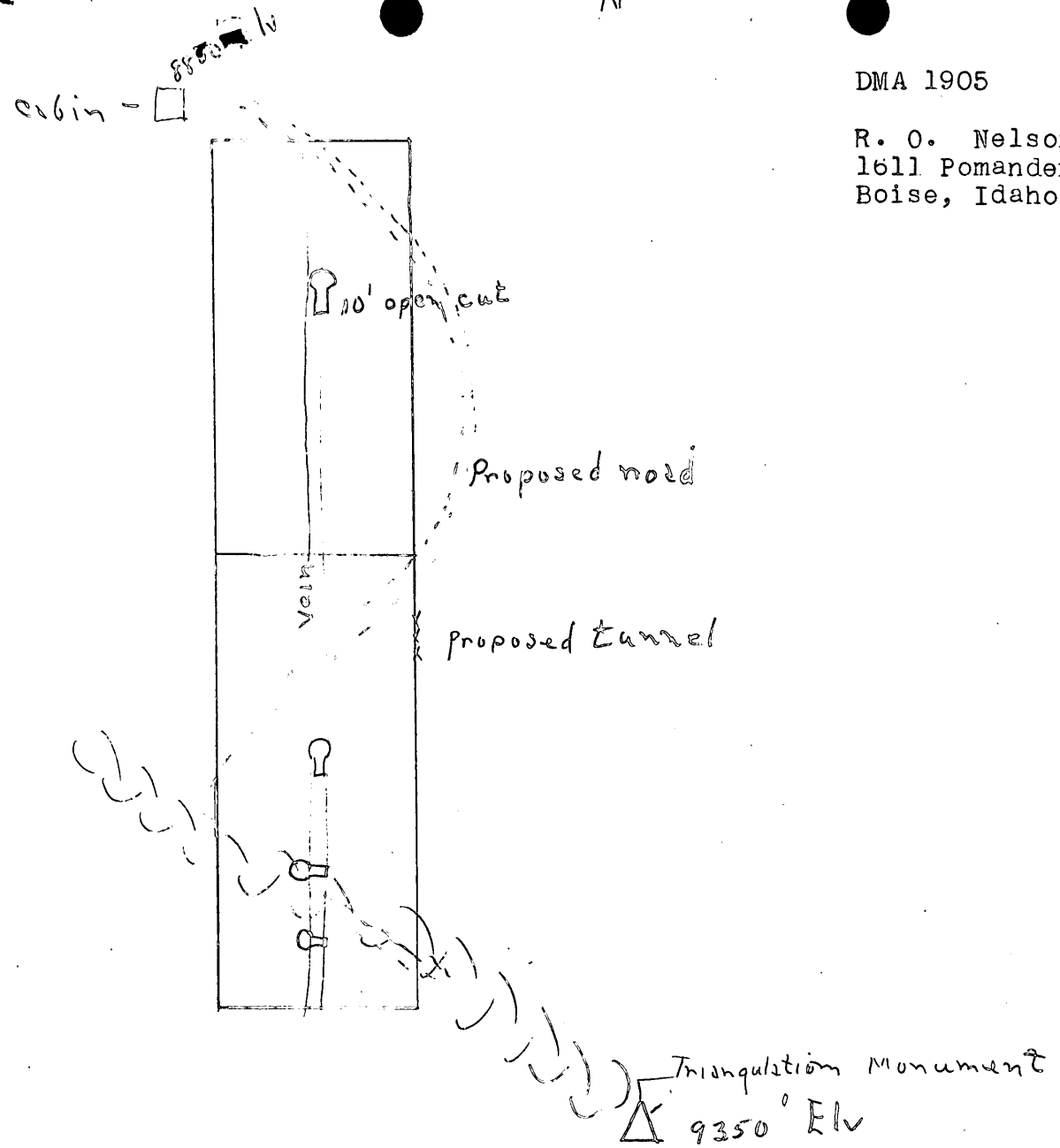
RON/h

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

N

DMA 1905

R. O. Nelson
1611 Pomander Rd
Boise, Idaho



100' tunnel	-- cost	$2000.00	---- time about 30 days
3000' road	-- "	$2000.00	---- time about 3 days
10' cuts (open)	"	$5000.00	---- time depending upon the rock - 2 to 10 days -- plan to make cuts every 100' on the vein.

(From Alfred L Anderson's report)
Lies near the very summit of Blizzard Mt -- at an elevation of 9,350 feet. The outcrop is about 200 yrds NW of the triangulation monument on Blizzard Mt.

S

340

FILE COPY
SURNAME:

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

Holderer
Geology

AUG 17 1951

Mr. R. O. Nelson
1611 Pomander Road
Boise, Idaho

In reply please refer to
DMA 1905

Dear Mr. Nelson:

In reviewing your application it is found that additional information is necessary before action can be taken. It is necessary for us to have the following questions more fully answered:

18.b We must have some assays on material cut from the vein. Assay maps would also be helpful.

21. Your answer to this question must be supported by maps and cross-sections of the proposed work. Size and location of cuts to be made should be shown together with time required and funds necessary to accomplish each. It is suggested that this work might be accomplished by hand sampling.

22. You say, "the mineral tungsten is there", yet you have submitted no assays or geological maps.

Upon receipt of this additional data, your application will be given further consideration.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

CHJacoby:bl 8/16/51

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

August 9, 1951

Memorandum

To: Tungsten Branch, DMA

From: D.M.Lemmon, USGS

Subject: Exploration application of R. O. Nelson 1611 Pomander Rd. Boise, Idaho — DMA 1905 -- Tungsten

The applicant requests a project costing $11,885 at the Independence tungsten claims on the line between Blaine and Butte Counties, 25 miles west of Arco, Idaho. Location given is T. 2 N., R. 24 E.

The applicant gives no description of the ore deposit other than to say that it is a vein containing tungsten. Records of the Geological Survey mention a deposit that has long been known in this area, and is probably identical with the claims held by the applicant. Published reports by D. C. Livingston (1919) and A. L. Anderson (1929) give descriptions, of which the following is an abstract:

> The Wolframite prospect, once known as the Independence, is near the crest of Iron Mountain about 6 miles west of Martin, in sec. 13, T. 2 N., R. 23 E., Mackay quadrangle. Huebnerite is found in a quartz vein 2 to 5 feet wide along the contact of granite with limestone and quartzite.

The applicant ~~xxxx~~ proposes to spend 4 days with a bulldozer cleaning out an old road and extending it 900 feet. Then he expects to spend 56 days "to make two or three open cuts where the vein has reached the surface and clean out one of the old workings which is only 10 or 15 feet below level of the ground." The applicants financial participation in the project is to be the rental value of 2 caterpillars, 2 trucks, a compressor, and miscellaneous equipment at a total cost of $4,200.

The applicant presents no evidence of sampling or assaying, no maps, and no justification for doing the work as proposed. It seems probable that hand trenching, sampling, and assaying at a cost of $1,000 or less might be warranted, but that the use of four large pieces of equipment does not make much sense.

It is recommended that the applicant be advised to submit assays of cut surface samples, and to consider preliminary trenching by hand rather than use of bulldozers. The fact that the property was not re-opened during World War II, plus the published statement by Anderson discourage hope of finding much tungsten at this locality. Anderson stated as follows: "Little of the huebnerite is to be seen in the manganese-stained rock, and fresh specimens of either the huebnerite or its oxide, tungstite, are difficult to find. Apparently the lode has been only lightly mineralized, and judging from development efforts is not considered promising."

Dwight M. Lemmon

August 9, 1951

Memorandum

To: Tungsten Branch, DMA

From: D.M.Lemmon, USGS

Subject: Exploration application of DMA 1905 -- Tungsten
R. O. Nelson
1611 Pomander Rd.
Boise, Idaho

The applicant requests a project costing $11,885 at the Independence tungsten claims on the line between Blaine and Butte Counties, 25 miles west of Arco, Idaho. Location given is T. 2 N., R. 24 E.

The applicant gives no description of the ore deposit other than to say that it is a vein containing tungsten. Records of the Geological Survey mention a deposit that has long been known in this area, and is probably identical with the claims held by the applicant. Published reports by D. C. Livingston (1919) and A. L. Anderson (1929) give descriptions, of which the following is an abstract:

> The Wolframite prospect, once known as the Independence, is near the crest of Iron Mountain about 6 miles west of Martin, in sec. 13, T. 2 N., R. 23 E., Mackay quadrangle. Huebnerite is found in a quartz vein 2 to 5 feet wide along the contact of granite with limestone and quartzite.

The applicant ~~xxxx~~ proposes to spend 4 days with a bulldozer cleaning out an old road and extending it 900 feet. Then he expects to spend 56 days "to make two or three open cuts where the vein has reached the surface and clean out one of the old workings which is only 10 or 15 feet below level of the ground." The applicants financial participation in the project is to be the rental value of 2 caterpillars, 2 trucks, a compressor, and miscellaneous equipment at a total cost of $4,200.

The applicant presents no evidence of sampling or assaying, no maps, and no justification for doing the work as proposed. It seems probable that hand trenching, sampling, and assaying at a cost of $1,000 or less might be warranted, but that the use of four large pieces of equipment does not make much sense.

It is recommended that the applicant be advised to submit assays of out surface samples, and to consider preliminary trenching by hand rather than use of bulldozers. The fact that the property was not re-opened during World War II, plus the published statement by Anderson discourage hope of finding much tungsten at this locality. Anderson stated as follows: "Little of the huebnarite is to be seen in the manganese-stained rock, and fresh specimens of either the huebnerite or its oxide, tungstite, are difficult to find. Apparently the lode has been only lightly mineralized, and judging from development efforts is not considered promising."

Dwight M. Lemmon

FILE COPY
SURNAME:

210

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

August 2, 1951

Mr. E. O. Nelson
1611 Pomander Road
Boise, Idaho

Subject: DMA-1905
Re: Exploration Loan -
Independence, Independence 1

My dear Mr. Nelson:

Receipt is acknowledged of your application and attachments of July 23, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1905 and referred to Mr. George Holderer, Chief, Tungsten Branch on August 2, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1905.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Reports & Records Unit

R. E. Adams:jc
cc: Adams
File
Holderer
Lyon

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

July 27, 1951

Mr. Landon F. Strobel
Executive Secretary
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Strobel:

Enclosed are three copies of an application for an exploration loan from R. O. Nelson, 1611 Pomander Road, Boise, Idaho. We are retaining one copy as there are several points in the application which need clarification. Also enclosed are 4 copies of MF-100.

Sincerely yours,

Verne C. Fryklund, Jr.

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosures

cc: U.S.B.M, Spokane

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1905

Date received 7/31/51

Participation

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 31 1951

Name and address of applicant

Date July 23, 1951

FILL IN THIS BLOCK

Date of application July 23, 1951

Estimated cost $11885.00

Mineral or metal Tungsten

Percentage of Government participation 64+%

Location of mine Blaine and Butte Counties
Idaho --- 25 Miles West of Arco

Date of filing MF-100 July 23, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

No Company
(Name of company)

By R. O. Nelson
(Signature of authorized official)

July 23, 1951
(Date)

R. O. Nelson
Owner (Title)

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

*Same as footnote on page 1.

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

Form MF-103

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

1 to 5 answered

6. No leins or encumbrances against property
7. None
8.

Assets		Liab	
Cash	3,000.00		
U S Bonds	4,000.00		
Cats	29,000.00	Amount due on Cat	5,000.00
Crushing Plants	35,000.00	Amount to be paid on plants	1,500.00
Crusher	1,500.00		
Trucks	21,000.00	Amount to be paid on trucks	1,000.00
Shop Equipment	6,500.00		
Patrol	7,200.00		
Real Estate Home, pit & reserve pits	25,000.00	Balance of Mtg	4,500.00
Stockpiles	7,000.00		
Total	$139,200.00	Total	$12,000.00

Profit & Loss

Gross Income from gravel sales and rentals monthly average	$6,000.00
Labor, depreciation, fuel, repairs and parts monthly average	$5,000.00
Net profit -- monthly average	$1,000.00

9. Applicant will not invest any cash in this proposed project but will use equipment owned by him such as the D'8 Cat D'4 2 trucks and other necessary eqipment. The value of this eqipment if -- it had to to be rented would equal $4,200.00 for two months. This would equal to more then half of this proposed project or the amount that is requested from the U S Government.

10. Two mining claims -- Independence and Independence No 1 -- located in Blaine and Butte Counties -- State of Idaho T 2N R 24 E

11. See question 10
12. to 18 answered
19. None THAT I know of or that I have heard.

20. Tungsten

21. Plan to make two or three open cuts where the vein has reached the surface and clean out one of the old workings which is only 10 or 15 feet belowlevel of the ground.
Will use about 3 or 4 days to clean out the road and build the proposed 900 feet. 2 or 3 days to set up camp and make things livable.
Time expectdand the time requered to do this amount of work will be 60 days

22. No maps to my knowledge are available and the basis for this project is that the mineral Tungsten is there and should be found in commercial basis. The applicant does have several samples.

Form MF-103

23. 1 Cat Skinner $2.50 per hr for 300 hr -- 750.00
1 Tr Driver 2.00 " " " " " -- 600.00
2 Miners 2.00 " " " " " - 1200.00
1 Mucker 1.75 " " " " " -- 525.00
1 Foreman $400.00 per mon 2 months @ 800.00
Total $3875.00

b. Foreman from a above total for supervisors $800.00

c. None

d. For tent frames lumber, nails, paper etc 600.00

e. None

f. None

g. D-8 Cat rental for 2 months		$1800.00
D-4 Cat " " " "		800.00
2 Trucks at 250.00 per month		1000.00
Compressor and Misc Equipment		600.00
h. 3000 gal of fuel oil at .17	510.00	
1000 gal of gas at .32	320.00	
Grease	60.00	
1 ton of powder at 21.75 per 100	435.00	
Detonators	125.00	
4000 ft of mining timbers at 90.00 per thousand	360.00	
Assaying and testing, surveying	500.00	
Misc Exp	500.00	
Repairs, welding supplies	400.00	
Totals	$7685.00	$4200.00

24. Time schedule
1 to 4 days in cleaning out the old road and in building the new one.
1 to 3 days in making camp and a place to live.
The balance of 53 days in making open cuts, drilling, blasting and general operation. Within the 60 days either a mine or just another prospect.

Correction question 15 --- the ore can be hauled to Arco and then by RR or it can be trucked to the smelter. If, it is necessary to be milled it can be hauled 1 mile --- a mill could be erected --- and operations could be the year around.

Continuation of question 23 section g & h

The total cost for this project will be	$11885.00
Cost to the applicant	$4200.00
Cost to the Government	$7685.00
75% of the total cost would be	$8938.75

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1905

Date received 7/31/51

Participation

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
Boise, Idaho

Name and address of applicant

Date July 23, 1951

FILL IN THIS BLOCK

Date of application July 23, 1951

Estimated cost $11935.00

Mineral or metal Tungsten

Percentage of Government participation 64+%

Location of mine Blaine and Butte Counties

Idaho --- 25 Miles West of Arco

Date of filing MF-100 July 23, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

No Company
(Name of company)

By R. O. Nelson
(Signature of authorized official)

July 23, 1951
(Date)

R. O. Nelson
Owner (Title)

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

*Same as footnote on page 1.

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

Form MF-103

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

1 to 5 answered

6. No leins or encumbrances against property
7. None
8.

Assets		Liab	
Cash	3,000.00		
U S Bonds	4,000.00		
Cats	29,000.00	Amount due on Cat	5,000.00
Crushing Plants	35,000.00	Amount to be paid on plants	1,500.00
Crusher	1,500.00		
Trucks	21,000.00	Amount to be paid on trucks	1,000.00
Shop Equipment	6,500.00		
Patrol	7,200.00		
Real Estate Home, pit & reserve pits	25,000.00	Balance of Mtg	4,500.00
Stockpiles	7,000.00		
Total	$139,200.00	Total	$12,000.00

Profit & Loss

Gross Income from gravel sales and rentals monthly average	$6,000.00
Labor, depreciation, fuel, repairs and parts monthly average	$5,000.00
Net profit -- monthly average	$1,000.00

9. Applicant will not invest any cash in this proposed project but will use equipment owned by him such as the D'8 Cat D'4 2 trucks and other necessary eqipment. The value of this eqipment if -- it had to to be rented would equal $4,200.00 for two months. This would equal to more then half of this proposed project or the amount that is requested from the U S Government.

10. Two mining claims -- Independence and Independence No 1 -- located in Blaine and Butte Counties -- State of Idaho T 2N R 24 E

11. See question 10
12. to 18 answered
19. None THAT I know of or that I have heard.

20. Tungsten

21. Plan to make two or three open cuts where the vein has reached the surface and clean out one of the old workings which is only 10 or 15 feet belowlevel of the ground.
Will use about 3 or 4 days to clean out the road and build the proposed 900 feet. ~~20~~ 2 or 3 days to set up camp and make things livable.
Time expectand the time requared to do this amount of work will be 60 days

22. No maps to my knowledge are available and the basis for this project is that the mineral Tungsten is there and should be found in commercial basis. The applicant does have several samples.

Form MF-103

23. 1 Cat Skinner $2.50 per hr for 300 hr -- 750.00
1 Tr Driver 2.00 " " " " " -- 600.00
2 Miners 2.00 " " " " " - 1200.00
1 Mucker 1.75 " " " " " -- 525.00
1 Foreman $400.00 per mon 2 months 800.00
Total $3875.00

b. Foreman from a above total for supervisors $800.00
c. None
d. For tent frames lumber, nails, paper etc 600.00
e. None
f. None
g. D-8 Cat rental for 2 months $1800.00
D-4 Cat " " " " 800.00
2 Trucks at 250.00 per month 1000.00
Compressor and Misc Equipment 600.00
h. 3000 gal of fuel oil at .17 510.00
1000 gal of gas at .32 320.00
Grease 60.00
1 ton of powder at 21.75 per 100 435.00
Detonators 125.00
4000 ft of mining timbers at 90.00 per thousand 360.00
Assaying and testing, surveying 500.00
Misc Exp 500.00
Repairs, welding supplies 400.00
Totals $7685.00 $4200.00

24. Time schedule
1 to 4 days in cleaning out the old road and in building the new one.
1 to 3 days in making camp and a place to live.
The balance of 53 days in making open cuts, drilling, blasting and general operation. Within the 60 days either a mine or just another prospect.

Correction question 15 --- the ore can be hauled to Arco and then by RR or it can be trucked to the smelter. If, it is necessary to be milled it can be hauled 1 mile --- a mill could be erected --- and operations could be the year around.

Continuation of question 23 section g & h

The total cost for this project will be	$11885.00
Cost to the applicant	$4200.00
Cost to the Government	$7685.00
75% of the total cost would be	$8938.75

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

MF-103
(Aug. 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1905

Date received 7/31/51

Participation

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 31 1951

Name and address of applicant

Date July 23, 1951

FILL IN THIS BLOCK

Date of application July 23, 1951

Estimated cost $11885.00

Mineral or metal Tungsten

Percentage of Government participation 64+%

Location of mine Blaine and Butte Counties

Idaho --- 25 Miles West of Arco

Date of filing MF-100 July 23, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

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

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

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

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

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

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

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

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

No Company
(Name of company)

By R. O. Nelson
(Signature of authorized official)

July 23, 1951
(Date)

R. O. Nelson
Owner
(Title)

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

*Same as footnote on page 1.

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

Form MF-103

1 to 5 answered

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

6. No leins or encumbrances against property
7. None
8.

Assets		Liab	
Cash	3,000.00		
U S Bonds	4,000.00		
Cats	29,000.00	Amount due on Cat	5,000.00
Crushing Plants	35,000.00	Amount to be paid on plants	1,500.00
Crusher	1,500.00		
Trucks	21,000.00	Amount to be paid on trucks	1,000.00
Shop Equipment	6,500.00		
Patrol	7,200.00		
Real Estate		Balance of Mtg	4,500.00
Home, pit & reserve pits	25,000.00		
Stockpiles	7,000.00		
Total	$139,200.00	Total	$12,000.00

Profit & Loss
Gross Income from gravel sales and rentals monthly average $6,000.00
Labor, depreciation, fuel, repairs and parts monthly average $5,000.00

Net profit -- monthly average $1,000.00

9. Applicant will not invest any cash in this proposed project but will use equipment owned by him such as the D'8 Cat D'4 2 trucks and other necessary eqipment. The value of this eqipment if -- it had to to be rented would equal $4,200.00 for two months. This would equal to more then half of this proposed project or the amount that is requested from the U S Government.

10. Two mining claims -- Independence and Independence No 1 -- located in Blaine and Butte Counties -- State of Idaho T 2N R 24 E

11. See question 10
12. to 18 answered
19. None EMat I know of or that I have heard.

20. Tungsten

21. Plan to make two or three open cuts where the vein has reached the surface and clean out one of the old workings which is only 10 or 15 feet belowlevel of the ground.
Will use about 3 or 4 days to clean out the road and build the proposed 900 feet. ~~20~~ 2 or 3 days to set up camp and make things livable.
Time expected and the time required to do this amount of work will be 60 days

22. No maps to my knowledge are available and the basis for this project is that the mineral Tungsten is there and should be found in commercial basis. The applicant does have several samples.

Form MF-103

23. 1 Cat Skinner $2.50 per hr for 300 hr -- 750.00
1 Tr Driver 2.00 " " " " " -- 600.00
2 Miners 2.00 " " " " " - 1200.00
1 Mucker 1.75 " " " " " -- 525.00
1 Foreman $400.00 per mon 2 months 800.00
Total $3875.00

b. Foreman from a above total for supervisers $800.00
c. None
d. For tent frames lumber, nails, paper etc 600.00
e. None
f. None
g. D-8 Cat rental for 2 months $1800.00
D-4 Cat " " " " 800.00
2 Trucks at 250.00 per month 1000.00
Compressor and misc equipment 600.00
h. 3000 gal of fuel oil at .17 510.00
1000 gal of gas at .32 320.00
Grease 60.00
1 ton of powder at 21.75 per 100 435.00
Detonators 125.00
4000 ft of mining timters at 90.00 per thousand 360.00
Assaying and testing, surveying 500.00
Misc Exp 500.00
Repairs, welding supplies 400.00
Totals $7685.00 $4200.00

24. Time schedule
1 to 4 days in cleaning out the old road and in building the new one.
1 to 3 days in making camp and a place to live.
The balance of 53 days in making open cuts, drilling, blasting and general operation. Within the 60 days either a mine or just another prospect.

Correction question 15 --- the ore can be hauled to Arco and then by RR or it can be trucked to the smelter. If, it is necessary to be milled it can be hauled 1 mile --- a mill could be erected --- and operations could be the year around.

Continuation of question 23 section g & h
The total cost for this project will be $11885.00

Cost to the applicant $4200.00

Cost to the Government $7685.00

75% of the total cost would be $8938.75

R. O. Nelson
1611 Fomander Rd
Boise, Idaho

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. Dma-1905

Date received 7/31/51

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
Executive Secretary

Name and address of applicant

Date July 23, 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.

General Technical Data

1. Materials produced:
   a. Tungsten
   b. Manganese

2. Extent of workings:
   a. Linear feet of shafts -- None
   b. Linear feet of drifts and crosscuts -- 40'
   c. Linear feet of tunnels or adits -- 40'
   d. Other mine openings -- none

3. A. Distance and direction from nearest town and shipping point -- West from Arco, Idaho about 25 miles.
   b. Mining district -- Lava Creek Mining District
   c. Township -- T2 Range 24E Section
   d. County, State part in Butte and Blaine County Idaho

4. a. Property is not in operation.
   b. Operating the property as the owner

5. Number of year in production -- none
   Will take about 90 days.

6. Experience of operators
   The applicant is now engaged in a commercial gravel business located in Boise, Idaho. This consists of crushing rock into various sizes. Has followed this work for 15 years. Owns various equipment as rock crushers, crushing plants complete, D-8 Cat, D-4Cat, several dump trucks, screens motors, welders etc.
   Ten years of mining experience and with two years or open pit mining at Thunder Mountain.

7. History
   a. The production of Tungsten was between 1916-1917 -- when several tons of high grade was shipped to Tacoma, Washington. This ore was taken off the hill by pack horse and then shpped from Arco, Idaho.
   After World War I the price dropped and no one was interested in Tungsten.
   b. It is near the Paymaster Mine about 1 mile NW. That mine has produced considerable zinc and is still in production.
   Many small prospects have shipped high grade lead and silver ore. The Hornsilver shipped thousands of tons in the early days and of late. The ord was silver. The Hub Mine also shipped in the early days -- a high grade silver ore.
   c. Very few reports are on this mine as the snow covers it about 11 months of the year and a heavy snow year --- the mine is partially covered with snow the entire year.
   The only report we have on this mine is the one by R. N. Bell -- former State Mines Inspector for Idaho -- which states --

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

IN THE LAND OF MYSTERY

R. N. BELL

At the head of Lava Creek, 25 miles west of Arco and seven miles West of Martin Postoffice, on the summit of the last high peak of the Sawtooth range, where it abruptly breaks off into the Snake river desert at an elevation of 9000 feet above sea level, a very interesting discovery of rich tungsten ore has been made by S. O. Nelson of Bellevue, Idaho

Mr. Nelson also owns an interesting group of goldbearing lode claims in this vicinity which he has been devloping for several years. He is a student of mineralogy and found some strange black oxidized mineral on the outlying claim from his camp, and he determined by some simple chemical tests that it contained tungsten.

The writer submitted a specimen of this ore last winter to the rare metals department of the United States geological survey at Washington, D. C. and they and other experts, who determined the mineral to be a perfect specimen of Wolframite, a high grade tungsten ore.

This deposit consists of a brecciated quartz vein characteristic of the porphyry formation fissures of Blaine and Custer counties. It is exposed at the surface for 500 feet in length and varies from one to five feet thick. The bulk of this outcrop, however, is on the north slope of the high mountain on which it was discovered and was still covered with snow.

High Grade Ore

The exposure of the vein was bare, however, for 150 feet at the time of my visit, and by careful selection it was possible to sort out some very excellent and high-grade specimens of clean tungsten mineral which is accompanied by a manganese gosson several feet wide and it is more then likely that the deposit will by extensive development of depth afford some good shoots of concentrating tungsten ore, and this rare mineral is in excellent demand for the manufacture of high grade tool steel, for which purpose it enhances the value of steel several hundred per cent.

Mr. Nelson has also discovered another mineral in that region which shows decided radio activity and with a small specimen of this mineral he was able to obtain a shadowgraph of a key by exposing on a sensitized plate the rock with a key intervening, in a dark room for five days. It is probable that his mineral is pitch blende, one of the highest grade ore of uranium and radium, and while very small specimens so far have been found, it is of great scientific interest at this time by reason of its rarity and the eminent demand for radium producing minerals.

The high bald mountain summit on which the tungsten deposit occurs directly overlooks the famous Lava beds or better known as the Valley of the Moon. From this tungsten mountain summit the lava beds lies directly south and a magnificent view of a larger portion of the Snake river basin is afforded, and the lava beds do not seem to present sucha a formidable proposition to explore, as they seem to be confined in their real rough portion to an area of about 3 by 10 or 15 miles.

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

8. Owners S. O. Nelson Bellevue, Idaho
R. O. Nelson 1611 Pomander Rd, Boise, Idaho
H. O. Nelson 304 Mark St., Boise, Idaho

9. None

10. None

11. Yes -- the amount unknown

12. Tungsten -- see the report by R. N. Bell
b. (1) None available
(2) Unknown

13. Dirt road and in fair shape -- will take about 900 feet of road construction for a car or truck to be at the mine. Nearest town is Arco, Idaho about 25 miles.

14. Water supply at the mine -- none --nearest supply of water for the entire year about 1 mile

15. No power used

16. Labor -- none employed

17. No equipment or buildings at the mine.
Equipment now owned and available for work at the mine ---
1 -- D-8 Cat purchased new in 1950 -- complete with dozer
1 -- D-4 Cat Traxcavator -- complete
1 -- K-11 Int Dump Truck
1 -- KBS 6 Int flat rack truck
1 -- Int Pick Up
1 -- Compressor and complete with hose drills, hammer etc
1 -- Welder -- portable
The above equipment is in excellent condition.

18. None

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

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. Lma - 1905

Date received 7/31/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
LANDON F. STROBEL
Executive Secretary

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

Name and address of applicant

Date July 23, 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.

General Technical Data

1. Materials produced:
   a. Tungsten
   b. Manganese

2. Extent of workings:
   a. Linear feet of shafts -- None
   b. Linear feet of drifts and crosscuts -- 40'
   c. Linear feet of tunnels or adits -- 40'
   d. Other mine openings -- none

3. a. Distance and direction from nearest town and shipping point -- West from Arco, Idaho about 25 miles.
   b. Mining district -- Lava Creek Mining District
   c. Township -- T2 Range 24E Section
   d. County, State part in Butte and Blaine County Idaho

4. a. Property is not in operation.
   b. Operating the property as the owner

5. Number of year in production -- none
   Will take about 90 days.

6. Experience of operators
   The applicant is now engaged in a commercial gravel business located in Boise, Idaho. This consists of crushing rock into various sizes. Has followed this work for 15 years. Owns various equipment as rock crushers, crushing plants complete, D-8 Cat, D-4Cat, several dump trucks, screens motors, welders etc.
   Ten years of mining experience and with two years or open pit mining at Thunder Mountain.

7. History
   a. The production of Tungsten was between 1916-1917 -- when several tons of high grade was shipped to Tacoma, Washington. This ore was taken off the hill by pack horse and then shpped from Arco, Idaho.
   After World War 1 the price dropped and no one was interested in Tungsten.
   b. It is near the Paymaster Mine about 1 mile NW. That mine has produced considerable zinc and is still in production.
   Many small prospects have shipped high grade lead and silver ore. The Hornsilver shipped thousands of tons in the early days and of late. The ore was silver. The Hub Mine also shipped in the early days -- a high grade silver ore.
   c. Very few reports are on this mine as the snow covers it about 11 months of the year and a heavy snow year --- the mine is partially covered with snow the entire year.
   The only report we have on this mine is the one by R. N. Bell -- former State Mines Inspector for Idaho -- which states --

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

IN THE LAND OF MYSTERY

R. N. BELL

At the head of Lava Creek, 25 miles west of Arco and seven miles West of Martin Postoffice, on the summit of the last high peak of the Sawtooth range, where it abruptly breaks off into the Snake river desert at an elevation of 9000 feet above sea level, a very interesting discovery of rich tungsten ore has been made by S. O. Nelson of Bellevue, Idaho

Mr. Nelson also owns an interesting group of goldbearing lode claims in this vicinity which he has been developing for several years. He is a student of mineralogy and found some strange black oxidized mineral on the outlying claim from his camp, and he determined by some simple chemical tests that it contained tungsten.

The writer submitted a specimen of this ore last winter to the rare metals department of the United States geological survey at Washington, D. C. and they and other experts, who determined the mineral to be a perfect specimen of Wolframite, a high grade tungsten ore.

This deposit consists of a brecciated quarts vein characteristic of the porphyry formation fissures of Blaine and Custer counties. It is exposed at the surface for 500 feet in length and varies from one to five feet thick. The bulk of this outcrop, however, is on the north slope of the high mountain on which it was discovered and was still covered with snow.

High Grade Ore

The exposure of the vein was bare, however, for 150 feet at the time of my visit, and by careful selection it was possible to sort out some very excellent and high-grade specimens of clean tungsten mineral which is accompanied by a manganese gossan several feet wide and it is more than likely that the deposit will by extensive development of depth afford some good shoots of concentrating tungsten ore, and this rare mineral is in exceellent demand for the manufacture of high grade tool steel, for which purpose it enhances the value of steel several hundred per cent.

Mr. Nelson has also discovered another mineral in that regi n which shows decided radio activity and with a small specimen of this mineral he was able to obtain a shadowgraph of a key by exposing on a sensitized plate the rock with a key intervening, in a dark room for five days. It is probable that his mineral is pitch blende, one of the highest grade ore of uranium and radium, and while very small specimens so far have been found, it is of great scientific interest at this time by reason of its rarity and the eminent demand for radium producing minerals.

The high bald mountain summit on which the tungsten deposit occurs directly overlooks the famous Lava beds or better known as the Valley of the Moon. From this tungsten mountain summit the lava beds lies directly south and a magnificent view of a larger portion of the Snake river basin is afforded, and the lava beds do not seem to present such a formidable proposition to explore, as they seem to be confined in their real rough portion ~~to an area~~ about 3 by 10 or 15 miles.

1611 Pomander Rd
Boise, Idaho

8. Owners S. O. Nelson Bellevue, Idaho
R. O. Nelson 1611 Pomander Rd, Boise, Idaho
H. O. Nelson 304 Mark St., Boise, Idaho

9. None

10. None

11. Yes -- the amount unknown

12. Tungsten -- see the report by R. N. Bell
b. (1) None available
(2) Unknown

13. Dirt road and in fair shape -- will take about 900 feet of road construction for a car or truck to be at the mine. Nearest town is Arco, Idaho about 25 miles.

14. Water supply at the mine -- none --nearest supply of water for the entire year about 1 mile

15. No power used

16. Labor -- none employed

17. No equipment or buildings at the mine.
Equipment now owned and available for work at the mine ---
1 -- D-8 Cat purchased new in 1950 -- complete with dozer
1 -- D-4 Cat Traxcavator -- complete
1 -- K-11 Int Dump Truck
1 -- KBS 6 Int flat rack truck
1 -- Int Pick Up
1 -- Compressor and complete with hose drills, hammer etc
1 -- Welder -- portable
The above equipment is in excellent condition.

18. None

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

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. Ima - 1905

Date received 7/31/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
LANDON F. STROBEL
Executive Secretary

R. C. Nelson
1611 Pomander Rd
Boise, Idaho

Name and address of applicant

Date July 23, 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.

General Technical Data

1. Materials produced:
   a. Tungsten
   b. Manganese

2. Extent of workings:
   a. Linear feet of shafts -- None
   b. Linear feet of drifts and crosscuts -- 40'
   c. Linear feet of tunnels or adits -- 40'
   d. Other mine openings -- none

3. a. Distance and direction from nearest town and shipping point -- West from Arco, Idaho about 25 miles.
   b. Mining district -- Lava Creek Mining District
   c. Township -- T2 Range 24E Section
   d. County, State part in Butte and Blaine County Idaho

4. a. Property is not in operation.
   b. Operating the property as the owner

5. Number of year in production -- none
   Will take about 90 days.

6. Experience of operators
   The applicant is now engaged in a commercial gravel business located in Boise, Idaho. This consists of crushing rock into various sizes. Has followed this work for 15 years. Owns various equipment as rock crushers, crushing plants complete, D-8 Cat, D-4Cat, several dump trucks, screens motors, welders etc.
   Ten years of mining experience and with two years or open pit mining at Thunder Mountain.

7. History
   a. The production of Tungsten was between 1916-1917 -- when several tons of high grade was shipped to Tacoma, Washington. This ore was taken off the hill by pack horse and then shpped from Arco, Idaho.
   After World War I the price dropped and no one was interested in Tungsten.
   b. It is near the Paymaster Mine about 1 mile NW. That mine has produced considerable zinc and is still in production.
   Many small prospects have shipped high gfade lead and silver ore. The Hornsilver shipped thousands of tons in the early days and of late. The ore was silver. The Hub Mine also shipped in the early days -- a high grade silver ore.
   c. Very few reports are on this mine as the snow covers it about 11 months of the year and a heavy snow year --- the mine is partially covered with snow the entire year.
   The only report we have on this mine is the one by R. N. Bell -- former State Mines Inspector for Idaho -- which states --

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

IN THE LAND OF MYSTERY

R. W. BELL

At the head of Lava Creek, 25 miles west of Arco and seven miles West of Martin Postoffice, on the summit of the last high peak of the Sawtooth range, where it abruptly breaks off into the Snake river desert at an elevation of 9000 feet above sea level, a very interesting discovery of rich tungsten ore has been made by S. O. Nelson of Bellevue, Idaho

Mr. Nelson also owns an interesting group of goldbearing lode claims in this vicinity which he has been devloping for several years. He is a student of mineralogy and found some strange black oxidized mineral on the outlying claim from his camp, and he determined by some simple chemical tests that it contained tungsten.

The writer submitted a specimen of this ore last winter to the rare metals department of the United States geological survey at Washington, D. C. and they and other experts, who determined the mineral to be a perfect specimen of Wolframite, a high grade tungsten ore.

This deposit consists of a brecciated quartz vein characteristic of the porphyry formation fissures of Blaine and Custer counties. It is exposed at the surface for 500 feet in length and varies from one to five feet thick. The bulk of this outcrop, however, is on the north slope of the high mountain on which it was discovered and was still covered with snow.

High Grade Ore

The exposure of the vein was bare, however, for 150 feet at the time of my visit, and by careful selection it was possible to sort out some very excellent and high-grade specimens of clean tungsten mineral which is accompanied by a manganese gossan several feet wide and it is more then likely that the deposit will by extensive development of depth afford some good shoots of concentrating tungsten ore, and this rare mineral is in excellent demand for the manufacture of high grade tool steel, for which purpose it enhances the value of steel several hundred per cent.

Mr. Nelson has also discovered another mineral in that region which shows decided radio activity and with a small specimen of this mineral he was able to obtain a shadowgraph of a key by exposing on a sensitized plate the rock with a key intervening, in a dark room for five days. It is probable that his mineral is pitch blende, one of the highest grade ore of uranium and radium, and while very small specimens so far have been found, it is of great scientific interest at this time by reason of its rarity and the eminent demand for radium producing minerals.

The high bald mountain summit on which the tungsten deposit occurs directly overlooks the famous Lava beds or better known as the Valley of the Moon. From this tungsten mountain summit the lava beds lies directly south and a magnificent view of a larger portion of the Snake river basin is afforded, and the lava beds do not seem to present sucha a formidable proposition to explore, as they seem to be confined in their real rough portion to an area about 3 by 10 or 15 miles.

1611 Pomander Rd
Boise, Idaho

8. Owners S. O. Nelson Bellevue, Idaho
R. O. Nelson 1611 Pomander Rd, Boise, Idaho
H. O. Nelson 304 Mark St., Boise, Idaho

9. None

10. None

11. Yes -- the amount unknown

12. Tungsten -- see the report by R. N. Bell
b. (1) None available
(2) Unknown

13. Dirt road and in fair shape -- will take about 900 feet of road construction for a car or truck to be at the mine. Nearest town is Arco, Idaho about 25 miles.

14. Water supply at the mine -- none --nearest supply of water for the entire year about 1 mile

15. No power used

16. Labor -- none employed

17. No equipment or buildings at the mine.
Equipment now owned and available for work at the mine ---
1 -- D-8 Cat purchased new in 1950 -- complete with dozer
1 -- D-4 Cat Traxcavator -- complete
1 -- K-11 Int Dump Truck
1 -- KBS 6 Int flat rack truck
1 -- Int Pick Up
1 -- Compressor and complete with hose drills, hammer etc
1 -- Welder -- portable
The above equipment is in excellent condition.

18. None

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

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. Dma-1905

Date received 7/31/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951

D. O. Nelson
1611 Denver St
Boise, Idaho

Name and address of applicant

Date July 30, 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.

General Technical Data

1. Materials produced:
   a. Tungsten
   b. Manganese

2. Extent of workings:
   a. Linear feet of shafts -- None
   b. Linear feet of drifts and crosscuts -- 40'
   c. Linear feet of tunnels or adits -- 40'
   d. Other mine openings -- none

3. a. Distance and direction from nearest town and shipping point -- West from Arco, Idaho about 25 miles.
   b. Mining district -- Lava Creek Mining District
   c. Township -- T2 Range 24E Section
   d. County, State part in Butte and Blaine County Idaho

4. a. Property is not in operation.
   b. Operating the property as the owner

5. Number of year in production -- none
   Will take about 90 days.

6. Experience of operators
   The applicant is now engaged in a commercial gravel business located in Boise, Idaho. This consists of crushing rock into various sizes. Has followed this work for 15 years. Owns various equipment as rock crushers, crushing plants complete, D-8 Cat, D-4Cat, several dump trucks, screens motors, welders etc.
   Ten years of mining experience and with two years or open pit mining at Thunder Mountain.

7. History
   a. The production of Tungsten was between 1916-1917 -- when several tons of high grade was shipped to Tacoma, Washington. This ore was taken off the hill by pack horse and then shpped from Arco, Idaho.
   After World War I the price dropped and no one was interested in Tungsten.
   b. It is near the Paymaster Mine about 1 mile NW. That mine has produced considerable zinc and is still in production.
   Many small prospects have shipped high gfade lead and silver ore. The Hornsilver shipped thousands of tons in the early days and of late. The ore was silver. The Hub Mine also shipped in the early days -- a high grade silver ore.
   c. Very few reports are on this mine as the snow covers it about 11 months of the year and a heavy snow year --- the mine is partially covered with snow the entire year.
   The only report we have on this mine is the one by R. N. Bell -- former State Mines Inspector for Idaho -- which states --

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

IN THE LAND OF MYSTERY

R. N. BELL

At the head of Lava Creek, 25 miles west of Arco and seven miles West of Martin Postoffice, on the summit of the last high peak of the Sawtooth range, where it abruptly breaks off into the Snake river desert at an elevation of 9000 feet above sea level, a very interesting discovery of rich tungsten ore has been made by S. O. Nelson of Bellevue, Idaho

Mr. Nelson also owns an interesting group of goldbearing lode claims in this vicinity which he has been devloping for several years. He is a student of mineralogy and found some strange black oxidised mineral on the outlying claim from his camp, and he determined by some simple chemical tests that it contained tungsten.

The writer submitted a specimen of this ore last winter to the rare metals department of the United States geological survey at Washington, D. C. and they and other experts, who determined the mineral to be a perfect specimen of Wolframite, a high grade tungsten ore.

This deposit consists of a brecciated quarts vein characteristic of the porphyry formation fissures of Blaine and Custer counties. It is exposed at the surface for 500 feet in length and varies from one to five feet thick. The bulk of this outcrop, however, is on the north slope of the high mountain on which it was discovered and was still covered with snow.

High Grade Ore

The exposure of the vein was bare, however, for 150 feet at the time of my visit, and by careful selection it was possible to sort out some very excellent and high-grade specimens of clean tungsten mineral which is accompanied by a manganese gosson several feet wide and it is more then likely that the deposit will by extensive development of depth afford some good shoots of concentrating tungsten ore, and this rare mineral is in excellent demand for the manufacture of high grade tool steel, for which purpose it enhances the value of steel several hundred per cent.

Mr. Nelson has also discovered another mineral in that region which shows decided radio activity and with a small specimen of this mineral he was able to obtain a shadowgraph of a key by exposing on a sensitized plate the rock with a key intervening, in a dark room for five days. It is probable that his mineral is pitch blende, one of the highest grade ore of uranium and radium, and while very small specimens so far have been found, it is of great scientific interest at this time by reason of its rarity and the eminent demand for radium producing minerals.

The high bald mountain summit on which the tungsten deposit occurs directly overlooks the famous Lava beds or better known as the Valley of the Moon. From this tungsten mountain summit the lava beds lies directly south and a magnificent view of a larger portion of the Snake river basin is afforded, and the lava beds do not seem to present sucha a formidable proposition to explore, as they seem to be confined in their real rough portion to an area of about 3 by 10 or 15 miles.

R. O. Nelson
1611 Pomander Rd
Boise, Idaho

8. Owners S. O. Nelson Bellevue, Idaho
R. O. Nelson 1611 Pomander Rd, Boise, Idaho
H. O. Nelson 304 Mark St., Boise, Idaho

9. None

10. None

11. Yes -- the amount unknown

12. Tungsten -- see the report by R. N. Bell
b. (1) None available
(2) Unknown

13. Dirt road and in fair shape -- will take about 900 feet of road construction for a car or truck to be at the mine. Nearest town is Arco, Idaho about 25 miles.

14. Water supply at the mine -- none --nearest supply of water for the entire year about 1 mile

15. No power used

16. Labor -- none employed

17. No equipment or buildings at the mine.
Equipment now owned and available for work at the mine ---
1 -- D-8 Cat purchased new in 1950 -- complete with dozer
1 -- D-4 Cat Traxcavator -- complete
1 -- K-11 Int Dump Truck
1 -- KBS 6 Int flat rack truck
1 -- Int Pick Up
1 -- Compressor and complete with hose drills, hammer etc
1 -- Welder -- portable
The above equipment is in excellent condition.

18. None

R. O. Nelson
1611 Pomander Rd
Boise, Idaho