DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 662

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Routing Slip

To:	SUPPLY DIVISION	Date	AUG 3 0 1951
To:	REPORTS AND RECORDS	Date	AUG 31 1951
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INT.-DUP. SEC., WASH., D.C. 98868

FILE COPY
SURNAME:

350

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

AUG 31 1951

Mr Knight
Mr Mote (note)
Johnson

Re: DMA-662
Williamson-Phonta Claims
Custer County, Idaho
Exploration lean $104,100
Lead-Zinc (Titanium, Columbium, Uranium)

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of lean

Robt H Sherwood

The deposits are quartz veins in the Idaho granite batholith. The applicant's proposal is to explore further by drifting and cross-cutting on these veins.

The field team report shows that the quartz veins run very low in lead and zinc - less than 1 per cent combined metals on two representative assays taken. Gold and silver content is likewise small. There is no basis for the applicant's listing of titanium, columbium, cobalt, nickel and uranium in these veins. The field team recommends denial of the application and the Lead-Zinc Branch concurs.

Returned herewith are:

5 copies of field report
4 copies of transmittal letter
2 copies MF-103
2 copies MF-100
Letters from applicant dated April 26, 1951; May 8, 1951; May 15, 1951.
Letter of August 15 from A. E. Weissenborn
Telegram from Kiilsgaard dated Aug. 23

Gunnard Johnson

7 8/31

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Tom Lyon

Director, Supply Division

ETMcKnight:emp
G 8-23-51

Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Branch
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

AUG 31 1951

Re: [illegible]-642
Williamson-Phoenix Claims
Custer County, Idaho
Exploration Loan $104,100
Lead-Zinc (Titanium,
Columbium, Uranium)

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of Loan

The deposits are quartz veins in the Idaho granite batholith. The applicant's proposal is to explore further by drifting and cross-cutting on these veins.

The field term report shows that the quartz veins run very low in lead and zinc - less than 1 per cent combined metals on two representative assays taken. Gold and silver content is likewise small. There is no basis for the applicant's listing of titanium, columbium, cobalt, nickel and uranium in these veins. The field team recommends denial of the application and the Lead-Zinc Branch concurs.

Returned herewith are:

5 copies of field report
4 copies of transmittal letter
7 copies RF-105
2 copies RF-100
Letters from applicant dated April 20, 1951; May 8, 1951; May 15, 1951.
Letter of August 15 from A. E. Weissenborn
Telegram from Kiilsgaard dated Aug. 23

Gunnard Johnson

A. F. Billings, Chief
Lead-Zinc Branch

Approved:

Director, Supply Division

K. McKnight:amp
8-23-51
Copies to: A. E. Weissenborn Region II (2)
Chief, Lead-Zinc Branch
A. F. McKnight 420, GSA
K. H. Lote
Reports & Records
Directors r. file 421, GSA
Dr. r. file 421, GSA
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR AUG 31 1951
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Re: DMA-662
Williamson-Phontas Claims
Custer County, Idaho
Exploration loan $104,100
Lead-Zinc (Titanium, Columbium, Uranium)

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

The deposits are quartz veins in the Idaho granite batholith. The applicant's proposal is to explore further by drifting and cross-cutting on these veins.

The field team report shows that the quartz veins run very low in lead and zinc - less than 1 per cent combined metals on two representative assays taken. Gold and silver content is likewise small. There is no basis for the applicant's listing of titanium, columbium, cobalt, nickel and uranium in these veins. The field team recommends denial of the application and the Lead-Zinc Branch concurs.

Returned herewith are:

5 copies of field report
4 copies of transmittal letter
2 copies MF-103
2 copies MF-100
Letters from applicant dated April 26, 1951; May 8, 1951; May 15, 1951.
Letter of August 15 from A. E. Weissenborn
Telegram from Kiilsgaard dated Aug. 23

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Director, Supply Division

FILE COPY
SURNAME: 350

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

AUG 31 1951

McKnight
Mentzer (note)
Murat

Re: DMA-662

Q, 3 C

Mr. Robert H. Sherwood
Room 406
122 East 42nd Street
New York 17, New York

Dear Mr. Sherwood:

Your application for a loan to explore the Williamson-Phontas group of claims in Custer County, Idaho, has been reviewed by the Defense Minerals Administration. We have the report of a field examination made on the property to help us in judging your application.

On the basis of the field report, we must conclude that the geologic occurrence of mineral showings is not favorable for the discovery of any significant tonnage of lead, zinc, or copper. Veins of this type in the granite country rock have not been of value as base metal producers in surrounding areas in Idaho. Samples taken of both the Williamson and Phontas veins give very low assays in lead, zinc, and silver and there is no geologic reason to assume that the grade will improve at greater depth in the hill. The remoteness of the property from a shipping point and the short working and shipping season are added handicaps making it improbable that the property could contribute materially to the nation's reserves of strategic metals. The field examination showed no evidence of other strategic metals, including cobalt, nickel, columbium, uranium, and titanium mentioned in your application. I regret, therefore, that we are unable to approve an expenditure of public funds for your proposal to carry out further exploration on these veins.

We wish to thank you for bringing this property to our attention.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

ETMcKnight:emp
G 8-29-51

Copies to: A. E. Weissenborn (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

AUG 31 1951

Re: DSA-662

Mr. Robert H. Sherwood
Room 406
122 East 42nd Street
New York 17, New York

Dear Mr. Sherwood:

Your application for a loan to explore the Williamson-Shoshone group of claims in Custer County, Idaho, has been reviewed by the Defense Minerals Administration. We have the report of a field examination made on the property to help us in judging your application.

On the basis of the field report, we must conclude that the geologic occurrence of mineral showings is not favorable for the discovery of any significant tonnage of lead, zinc, or copper. Veins of this type in the granite country rock have not been of value as base metal producers in surrounding areas in Idaho. Samples taken of both the Williamson and Shoshone veins give very low assays in lead, zinc, and silver and there is no geologic reason to assume that the grade will improve at greater depth in the hill. The remoteness of the property from a shipping point and the short working and shipping season are added handicaps making it improbable that the property would contribute materially to the nation's reserves of strategic metals. The field examination showed no evidence of other strategic metals, including cobalt, nickel, columbium, uranium, and titanium mentioned in your application. I regret, therefore, that we are unable to approve an expenditure of public funds for your proposal to carry out further exploration on these veins.

We wish to thank you for bringing this property to our attention.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

K DeKnight:emp
8-28-51

Copies to: A. E. Weissenborn (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

FILE COPY
SURNAME:

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

Defense Minerals Administration
Salaries and expenses
Defense Production Act Department of Interior 1420137 - 1952

McKnight
O'Leary
(Fahrmote)
Johnson

STRAIGHT WIRE August 23, 1951 Washington, D. C.

Mr. A. E. Weissenborn
U. S. Geological Survey
South 157 Howard Street
Spokane 8, Washington

Can DMA-662 Williamson-Phontas be denied for cobalt, nickel, columbium, and uranium claimed by applicant on basis of Kiilsgaard's report?

Gunnard Johnson

T. P. Billings, Chief
Lead-Zinc Branch

ETMcKnight:emp
G 8-23-51
Copies to: Reports and Records
Maye ~~Audits~~ ~~Mote~~
Audits
Mote
E. T. McKnight 4204 GSA
L.B.Moon
DMA Packet Files
CONFIRMATION COPY
J.P. Billings

Code 350

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1201

SYMBOLS
DL=Day Letter
NL=Night Letter
LT=Int'l Letter Telegram
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T P BILLINGS CHIEF LEAD-ZINC BRANCH US GEOLOGICAL

SURVEY DEPT OF INTERIOR WASHDC=

Lab Board 7 St Entrance

DMA-662, WILLIAMSON-PHONTAS PROPERTY SHOWED NO EVIDENCE OF COBALT, NICKEL, OR COLUMBIUM. NO GEIGER COUNTER TEST MADE ON PROPERTY BUT TESTS ON TWO (2) ORE SAMPLES NEGATIVE. RECOMMEND DENIAL=

THOR KIILSGAARD FOR A E WEISSENBORN EXECUTIVE OFFICER FIELD TEAM REGION II=

DMA-662 (2) KIILSGAARD II=

Robt. H. Shenwood 8-24-51

AUG 24 1951

STIONS FROM ITS PATRONS CONCERNING ITS SERVICE

AUG 23 PM 8 19

ILY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 24 1951

1951 AUG 23 PM 8 04

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

August 15, 1951

AIR MAIL

Mr. Tom Lyon, Chairman
Coordinating Committee
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Lyon:

In reply to your letter of August 13 regarding the status of Docket 2, Williamson-Thomas group of claims, Custer County, Idaho, our records show that a report on the subject docket was mailed to Mr. Billings, Chief, Lead-Zinc Branch through Lawton V. Strobel on August 10. Presumably, this had not reached you at the time you dictated your letter. I assume it has reached you by now.

The delay in reporting was due to the fact that the Seafoam district is in the Sawtooth country of Idaho, and was not accessible until nearly the middle of July. The property was visited on July 18. As a recommendation for docket was made, priority in writing the report was given to other more promising properties.

Please advise me if this report has not been received.

I note that the original docket material was inadvertently omitted at the time the field team report was mailed. This is being returned to Mr. Billings under separate cover.

Very truly yours,

A. D. Weissenborn
Executive Officer, DMA
Field Team, Region II

cc: L. V. Strobel
W. T. Billings

rlo

AUG 20 1951

Mr. Herres
Mr McKnight

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

May 15, 1951.

Re: Docket # 662

Mr. Otto Herres, Chief Lead - Zinc Branch
United States Department of Interior
Defense Metals Administration
Washington 25, D.C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 1 6 1951
LANDON F. STROBEL
Executive Secretary

Dear Mr. Herres:

Thank you for your letter of May 14 th.

I am sorry to put you to the trouble of writing again and asking for a detail map of the property showing the geology, present workings, and proposed exploration work. The reason said map was not sent to you with the application is that no map exists at this time. Rather than send you a map which would be inaccurate, I had hoped that there would be sufficient information given in the application to cover the lack of a map. In that the ore on the property is well defined and my partner Tom Reid of Salmon Idaho will be on the property when the DMA survey party makes the examination the necessary facts for such a map can be quickly gathered and plotted. We would also like to check our ideas and plans for exploration against the findings and recommendations of the survey party .

In reference to the amount of our contribution we are prepared to put up $ 50,000.00 or more as our share in a mutual exploration project with the government.

In closing, I wish to compliment you and your staff on the way that you have handled our application and the associated correspondance of the project. It is refreshing to find a government bureau staffed by men who deal with complicated and difficult problems with flair and dispatch . I want to thank you and you staff for the excellent service you have given me.

Very sincerely yours,

Robert H. Sherwood

Robert H. Sherwood

MAY 16

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 9 - 1951
LANDON F. STROBEL
Executive Secretary

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

May 8, 1951 .

Re: Docket DMA-662

Mr. Otto Herres, Chief
Lead Zinc Branch
United States Department of Interior
Defense Metal Administration
Washington 25, D.C.

Dear Mr. Herres:

Your letter dated May 3 just received to-day. I shall endevour to further answer you questions.

The type of exploration should be to drive an exploratory tunnel under the vein cross over points in an effort to reveal the high grade lead zinc ore to a greater degree . Also, to take samples of the cobalt and nickel ores found in association with the lead zinc. In addition, to further test for uraniferous ores at depth in the mountain . Thus exploration will consist of tunnel work, sampling, and radiometric survey.

The amount of work to be done shall consist of work in further defining the lead zinc ore now showing in the tunnel and open cuts and sample taking of the cobalt and nickel. This will involve the removal of about 1,000 cubic yards of material or more. I would rather a pelimanary survey determine the amount of such work.

In regard to the location of this work , I refer you to the sketch of the workings included with my application. You will note that three vein cross each other on the boundry of the Phontas # 1 claim . An exploratory tunnel should be driven under the cross for the purposes of samples and assays.

An indication of the present workings is also shown in the sketch. You will note two tunnels of 110 feet in length, and you will also see the position of the Williamson open cut.

MAY 10 1951

DEPARTMENT OF THE ...

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

 Re: Docket # DMA - 662

I refer you to Item # 12, DMA form 100 for ~~for~~ a description of associated minerials from which an idea of the geology of the region may be gained. Also note that such a large amount of lead zinc is in place and traceable form the surface that considerations as to the origin of the ore and the development of the complete geologic background have not been undertaken. Thus , no detailed maps of the workings are available. Some reports have been prepared by persons wanting to lease the property in past years. We did not care to lease and of course the reports and maps remained in the possession of the prospective leasee. Last such survey was performed by the Western Minerals Development Co of Tacoma , Washington . This report was highly favorable to us, but we do not have a copy.

As to the amount of our contribution in the project we are prepared to underwrite 50 % of the Government expenditure. We are in hopes that the property will qualify under a 95 % Government participation due to the presence of cobalt and nickel and other strategic ores in addition to the lead, zinc present.

I sincerely hope that this information will help you. I am under the impression that a pelimanary survey will be made by the Government and that recommendations as to the exploration work and scope of the contract will be established afterwards.

Please feel free to call on me for any further clarification necessary . I am anxious to assist you in any way that I can.

Very truly yours,

Robert H. Sherwood.

Robert H. Sherwood

ROBERT H. SHERWOOD
122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.

NEW YORK, N.Y.
MAY 8
5-PM
1951

GRAND C
STAT

Mr. Otto Herres , Chief
Lead Zinc Branch
United States Department of Interior
Defense Metal Administration
Washington 25, D.C

dma 662

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

April 26,1951

Mr. Otto Herres, Chief,
Lead-Zinc Section,
Office of Defense Metals Adm.,
New Interior Depat Bdg.,
17th & E,
Washington, DC.

Re DMA #662

Dear Mr. Herres -

Attached please find written applications under M05 (MF #103 and MF #100) regarding the Williamson-Phontas Group of Mines, which I am forwarding to you on behalf of Mr. Robert Sherwood et al.

We would appreciate your prompt attention to our application, in line with our conversation in Washington this past Tuesday and Mr. Basine's phone calls to you from New Britain, Connecticut.

Many thanks for your consideration,

Cordially,

Laurence Hammond
(for RHSherwood)

Laurence Hammond

LH;h

APR

350
AUG 17 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

August 15, 1951

AIR MAIL

Mr. Tom Lyon, Chairman
Coordinating Committee
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Lyon:

In reply to your letter of August 13 regarding the status of Docket 662, Williamson-Phontas group of claims, Custer County, Idaho, our records show that a report on the subject docket was mailed to Mr. Billings, Chief, Lead-Zinc Branch through Landon F. Strobel on August 10. Presumably, this had not reached you at the time you dictated your letter. I assume it has reached you by now.

The delay in reporting was due to the fact that the Seafoam district is in the high country of Idaho, and was not accessible until nearly the middle of July. The property was visited on July 18. As a recommendation for denial was made, priority in writing the report was given to other more promising properties.

Please advise me if this report has not been received.

I note that the original docket material was inadvertently omitted at the time the field team report was mailed. This is being returned to Mr. Billings under separate cover.

Very truly yours,

A. E. Weissenborn

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

cc: L. F. Strobel
T. P. Billings

AUG 17 1951

FILE COPY
SURNAME:

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

Billings
O'Leary
Mote
McKnight

Sherwood
Robert H.

Airmail

AUG 13 1951

A. E. C.

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

Dear Mr. Weissenborn:

This is to advise that I received a call from Senator William Benton's office with respect to the status of DMA 662 - Williamson-Phontas Group of Mines.

The docket for an examination of the property was sent to you on May 21, 1951, and as yet we have received no report here. Please advise when we may expect to receive your report for further reviewing.

Very truly yours,

Tom Lyon 8/13

Tom Lyon, Chairman
Coordinating Committee

Approved:

Merrill
For Bureau of Mines

T. Layer
For Geological Survey

TPBillings'lm
8/9/51

ccL Reports and Records
Mote
McKnight
Moon
DMA Docket File

L

Airmail

AUG 13 1951

Mr. A. R. Weissenborn, Region II
South 157 Howard Street
Spokane 8, Washington

Dear Mr. Weissenborn:

This is to advise that I received a call from Senator William Benton's office with respect to the status of DMA 662 - Williamson-Phoenix Group of Mines.

The docket for an examination of the property was sent to you on May 21, 1951, and as yet we have received no report here. Please advise when we may expect to receive your report for further reviewing.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Approved:

Merrill

For Bureau of Mines

Lowes

For Geological Survey

TPBillings'lm
8/9/51

cc: Reports and Records
Mote
McKnight
Moon
DMA Docket File

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

August 10, 1951

Through: Landon F. Strobel

Memorandum

To: T. P. Billings, Chief, Lead-Zinc Branch

From: Field Team, Region II

Subject: Williamson-Phontas property
Custer County, Idaho
DMA 662

Enclosed are four copies of a DMA Field Examination report on the Williamson-Phontas claims (DMA Docket 662) Custer County, Idaho, prepared by Mr. Thor H. Kiilsgaard, Geologist, U.S.G.S.

Mr. Kiilsgaard recommends that an exploration contract on the Williamson-Phontas property be denied. The field team concurs with this recommendation.

By Field Team, Region II

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

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

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

AUG 14 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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Defense Minerals Administration
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AUG 14 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

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

August 9, 1951

Memorandum

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

From: Thor H. Kiilsgaard, Geologist, U.S.G.S.

Subject: Report of field examination of Williamson-Phontas Property, Seafoam Mining district, Custer County, Idaho. DMA 662

Recommendations:

It is recommended that the application for an exploration contract submitted by Mr. Robert Henry Sherwood, et al., on the Williamson-Phontas property, Custer County, Idaho, be denied.

Location

The Williamson-Phontas property is on Feltham Creek, about 7 miles up Beaver Creek from Wagontown junction, which in turn is about 5 miles from Cape Horn Lodge by way of Beaver Creek. The property is in the Seafoam Mining district, Custer County, Idaho, about 35 miles in a northerly direction from Stanley, the nearest town. Williamson-Phontas claims are on a ridge separating Beaver Creek from the Roaring River drainage, at an altitude of about 8000 feet. The property is accessible by Forest Service roads and rough bulldozed roads, and may normally be reached only during the summer months. Roads leading to the property could be kept open during winter months but would require intensive use of snow removal equipment.

Property and Mine Workings

The Williamson-Phontas group is comprised of Williamson Nos. 1, 2, & 3, unpatented claims; Phontas Nos. 1, 2, & 3, unpatented claims; and the Doris unpatented claim. The Williamson claims are explored by an original discovery cut (10 feet long by 3 to 5 feet deep) on the Williamson No. 1 claim; the Williamson adit (135 feet from portal to face); and by several shallow open pits. A 110-foot adit explores the Phontas vein. A 60-foot shaft is reported to explore a vein on the Doris claim but this working place was covered with snow at the time of the visit.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

Summary of Field Examination

The Williamson-Phontas group of claims was visited on July 18 by Mr. Tom Reid of Salmon, Idaho, co-owner of the property, and the writer. Examination consisted of hiking over the claims, viewing outcrops, and brief examinations of the underground working places. No maps were prepared of the property owing to (1) mine workings delineated little geology that warranted mapping, (2) time did not permit.

The Seafoam Mining area, in general, is underlain by granitic rocks of the Idaho batholith in which are local roof pendants of pre-Cambrian metamorphosed sediments. Locally, some areas are capped by Tertiary volcanics, i.e., the Challis volcanics comprised chiefly of andesite.

The original discovery cut on the Williamson No. 1 claim was driven in granite to explore a strong 40-inch quartz vein that strikes N. 10° E., and dips 71° NW. On the footwall side, the vein rests on a 16-inch gouge and kaolinized zone; however, farther into the footwall, granite has been silicified and pyritized for several feet giving an overall width to the vein structure of 10 to 12 feet. Sulfides identified include pyrite, galena, sphalerite, and chalcopyrite. Of these, sphalerite is in the greatest abundance. A few hundred feet to the north, and perhaps 150 feet lower in altitude, the Williamson adit explores the same quartz vein. Small piles of hand-sorted iron-stained quartz litter the dump; as such these dumps may constitute low-grade ore. At the adit face, a 30-inch channel sample across the quartz vein assayed tr. Au., .10 ounce Ag., .30 percent Pb, and .60 percent Zn. The Williamson vein may be traced several hundred feet to the south, to the top of a high ridge, where it is explored by several small open pits. There is little ore on the dumps of these pits.

The Phontas adit portals in a 20 to 30-foot bed of banded, shaly schist. The bed of schist is essentially a roof pendant of metamorphosed rocks in granite. The adit follows a 3-foot quartz vein that strikes west and dips vertically, conforming in attitude with the contiguous schist. The quartz vein contains iron-stained vugs and some fine-grained dark sulphides, which are unidentifiable to the naked eye. A 36-inch channel sample across the vein, taken 12 feet in from the portal, assayed Tr. Au., 2.9 ounces Ag., .40 percent lead, and .50 percent zinc.

Mining Equipment

Mr. Reid reports the following equipment available for mining operations:

1 - 210 cfm old, iron-wheeled Leroy-Ricks air compressor

1- Jackhammer, Thor, small size

1 - Drifter, Gardner Denver (old)

1 - Stoper, attaches to jackhammer

1 - Jeep

1 - Truck, 1941 Ford
Miscellaneous hand tools

Proposed Exploration Work

The owners plan to further explore the property by:

(1) Extending Williamson adit on Williamson vein, and/or,

(2) Crosscut Williamson vein from the hillside southeast of outcrop.

(3) Extend Phontas adit on Phontas vein and to crosscut at appropriate intervals.

Competence of Applicant

Mr. Tom Reid, co-owner of the property, is a native of the central Idaho region and has had considerable experience in mining operations, although chiefly as a practical miner. His present physical condition would probably allow him to manage the business end of an exploration program but not the operating or technical functions.

Mr. Robert Henry Sherwood is a mechanical engineer and industrial designer of New York City, New York. He reportedly has contacted eastern people of financial means who are able to, and, who will supply funds to match DMA's share of the matching-sum contract.

Conclusions

The intersecting quartz veins on the Williamson-Phontas property are typical of the shallow, epithermal-type deposits in surrounding areas of Idaho, which have not been of value as base metal producers. Moreover, the weak showing of mineralization in these veins casts doubt on possible development of commercial ore deposits with a relatively small exploration program. The inaccessibility of the property and the fact that an exploration program would entail expenditure of considerable funds on roads, surface plant, tooling-up, etc., before exploration of the property could commence, adds further to the fact that this property is marginal both in grade and development possibilities, and as such does not warrant further consideration from DMA.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

, DMA 662

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

follows

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 662

DEPARTMENT OF THE INTERIOR
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follows

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 662

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

follows

May 14, 1951

Mr. Robert E. Sherwood
Room 1008
122 East 42nd Street
New York 17, New York

Dear Mr. Sherwood:

In reply to your letter of May 8,

We regret to say that no map accompanied your application when it was received in this office. Would you please, therefore, send us a map showing, if possible, the geology, present workings, and proposed exploration work.

Because your property evidently is essentially a lead and zinc prospect rather than cobalt and nickel, it will be necessary for you to contribute one-half of the total cost of the project as your share.

Very truly yours,

Otto Herres

Otto Herres, Chief

EJLyons:cmp
G 5/11/51

Copies to: Chief, Lead-Zinc Br. Lead-Zinc Branch
E. T. McKnight 4204 GSA
L. S. Moon
R. H. Mote
L. M. Strobel
T. Lyon
Directors reading file 4214 GSA
Br. reading file 4214 GSA
Files

a. c.

[illegible] 1951

[illegible]

Mr. Robert Harry [illegible]
Room [illegible]
[illegible] East [illegible] Street
New York 17, New York

Dear Mr. Herbert:

Your application [illegible] for a lease of [illegible] to explore the Allison-Mountain Group of claims in Custer County, Idaho, has been received.

Before proper consideration can be given your application more specific information will be required regarding the type, amount, and location of the exploration work you are planning to do. This perhaps can best be indicated on a map and sections showing the work to be done as well as the geology and present mine workings.

We also would like a more definite statement as to the amount and type of your contribution to the proposed project.

Very truly yours,

Otto Herres

[illegible], Chief
[illegible] Branch

[illegible]:yor:[illegible]
[illegible] 5/[illegible]/51
Copies to: A.E. Weissenborn Region II (2)
Chief, Land-Line Dr.
H. A. Knight LAQ, GSA
L. H. Moon
R. L. Soto
[illegible] Strobel
E. Lyon
Files

Form MF-123
(Ap[illegible]951)

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 662

Date received 4-30-51

Participation

Robert Henry Sherwood et al
122 East 42nd St.
New York 17, N.Y.
Room 406 A

Name and address of applicant

Date April 26, 1951

FILL IN THIS BLOCK

Date of application April 26, 1951

Estimated cost $104,100.00

Mineral or metal Lead- Zinc - Cobalt - Nickel Titanium - Columbium - Uranium.

Percentage of Government participation

Location of mine Seafoam Mining Dist. County of Custer, State of Idaho
100 miles in Northerly direction from Ketchum, Idaho

Date of filing MF-100

DMA Docket Number, if available 662

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.

None
(Name of company)

By Robert H. Sherwood.
(Signature of authorized official)

April 26, 1951
(Date)

Partner and attorney in fact for
(Title) Tom E. Reid

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

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

Docket # DMA 662
Form MF-103
April 26,1951

Questions 1 to 5 inclusive answered in MF-100

6. No claims liens or other encumbrances.
7. Not applicable.
8. Current financial statement....No profit or Loss- Not in operation in 1950--

ASSETS

Raw materials (ore stockpile) ...	$2,700.00
Land	$100,000.00
Machinery & Equipment ..	5,000.00
Fixtures & Lab Equipment	2,500.00
Less Depreciation	300.00
Supplies(Dynamite, rope, etc.....	1,500.00
TOTAL ASSETS	$111,400.00

NO LIABILITIES & 122,000 ?

9. $25,000 or more
10.A For description of the mine, see attached form MF-100
B Exploration of the property to be in the Seafoam Mining District, in Challis National Forest, County of Custer, State of Idaho. This property is located in the Coordinates T 13 N, R 12 E Challis Nat. For. Map. The property is described in Proof of Labor Certificate on File with County Clerk, Custer County Courthouse, Challis, Idaho, Book #11 Page 378; Proof of Labor Certificate # 102,202, Filed by Tom E. Reid, Salmon, Idaho. And also area below claim, approximately 4,000 feet.

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

Form MF - 103 Cont.

Page two

Questions # 11 to 14 Inclusive answered in Form MF-100

15. Ore will be shipped from mine site to railhead , at Ketchum , Idaho, a distance of 100 miles over improved roads. It will there be loaded onto ore cars for a 300 mile shipment to smelters in the Salt Lake area. Due to distance involved it would be well to have facilities at the mine site to hand sort and rough concentrate the ore material. It should be noted that the ore of the Phontas Williamson property contains very high values in Lead, Zinc, Silver; there is some Cobalt, Nickel, Titanium, Uranium and other values present with the ore in unknown amounts.

Questions # 16 to 18 inclusive answered in Form MF-100 .

19. Operation season May to November (7 months). Later, year round operation can be undertaken with shipping of ore during the snow free seven month period.

20. Further exploration of the high grade deposits of Lead and zinc should be undertaken . Large amounts of this ore are in place with prominent vein systems traced on the surface and exposed in open cuts and tunnels . Minerals named in # 15 should be further explored.

21. Exploration work should include further proving of the Lead-Zinc ore in place. Radiometric surveys for the Uranium values should be undertaken. Other minerals should be assayed. In that Lead-Zinc deposits are well defined and that shipping ore is available at this time, further exploration of these ores should be on a basis of opening larger deposits thought to exist in the points where the large veins cross each other at several well defined points.

It is thought that the property can be adequately explored in less than the two year period allowed. Amount of time spent on the project with Government cooperation will have to be determined by survey .

22. See prospectus and FormMF-100

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

FORM MF- 103

23. Requirements and Costs(Estimated) for 2 yrs Operation 14mths

A. Labor (miners)	$13,500.00
muckers	20,000.00
millmen	3,000.00
engineering	15,000.00
B. Supervision	$10,000.00
Assayers	5,000.00
C. Shoring & Timbering	2,600.00
D. Construction buildings, sheds & bunkhouses	7,000.00
E. Drilling Equipment (bulldozers, (mining tools, trucks, (compressors & survey equip	18,000.00
F. Rental (Power generator, & water (power development)	1,500.00
G. Road Maintenance	2,000.00
H. Supplies & Materials	5,000.00
I. Water Supply Development	1,500.00
total	$104,100.00

24. Time Schedule

June 1,1951 ..... purchase of equipment, initiate survey, build bunk housing, ore shutes, road development $21,000.00

July " ..... continue work as above and purchase balance of equipment..... $30,000.00

Aug-November..... define ore, drive tunnels (exploratory) & test drilling, map making, radiometric survey, indexing of samples..$32,000,00 (average cost $8,000.00 per month)

1st year total $83,000.00

May 1952.....thru November.. initiate drive of exploratory tunnel under major vein crosses in an effort to define indicated major ore body. (Average monthly cost ..$3,[illegible].

2nd year total $21,100.00

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 662

Date received 4-30-51

Participation

Robert Henry Sherwood et al
122 East 42nd Street
New York 17, N.Y.
Room 406 A

Name and address of applicant

Date April 26, 1951

FILL IN THIS BLOCK

Date of application April 26, 1951

Estimated cost $104,100.00

Mineral or metal Lead - Zinc - Cobalt - Nickel ~~Tungsten - Columbium - Uranium~~

Percentage of Government participation

Location of mine Seafoam Mining District, County of Custer, State of Idaho
100 miles in Northerly direction from Ketchum, Idaho

Date of filing MF-100

DMA Docket Number, if available 662

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.

None
(Name of company)

By Robert W. Sherwood
(Signature of authorized official)

April 26, 1951
(Date)

Partner and Attorney in fact for
(Title) Tom E. Reid

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

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

Docket # DMA 662
Form MF-103
April 26,1951

Questions 1 to 5 inclusive answered in MF-100

6. No claims liens or other encumbrances.
7. Not applicable.
8. Current financial statement .... No profit & Loss. Not in operation - 1950 -

ASSETS

Raw materials (ore stockpile) ...	$2,700.00
Land	$100,000.00
Machinery & Equipment ..	5,000.00
Fixtures & Lab Equipment	2,500.00
Less Depreciation	300.00
Supplies(Dynamite, rope, etc.....	1,500.00
TOTAL ASSETS	$111,400.00

NO LIABILITIES

9. $25,000 or more
10.A For description of the mine, see attached form MF-100
B Exploration of the property to be in the Seafoam Mining District, in Challis National Forest, County of Custer, State of Idaho. This property is located in the Coordinates T 13 N, R 12 E Challis Nat. For. Map. The property is described in Proof of Labor Certificate on File with County Clerk, Custer County Courthouse, Challis, Idaho, Book #11 Page 378; Proof of Labor Certificate # 102,202, Filed by Tom E. Reid, Salmon, Idaho. And also area below claim, approximately 4,000 feet.

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

Form MF - 103 Cont.

Page two

Questions # 11 to 14 Inclusive answered in Form MF-100

15. Ore will be shipped from mine site to railhead, at Ketchum, Idaho, a distance of 100 miles over improved roads. It will there be loaded onto ore cars for a 300 mile shipyment to smelters in the Salt Lake area. Due to distance involved it would be well to have facilities at the mine site to hand sort and rough concentrate the ore material. It should be noted that the ore of the Phontas Williamson property contains very high values in Lead, Zinc, Silver; there is some Cobalt, Nickal, Titanium, Uranium and other values present with the ore in unknown amounts.

Questions # 16 to 18 inclusive answered in Form MF-100.

19. Operation season May to November (7 months). Later, year round operation can be undertaken with shipping of ore during the snow free seven month period.

20. Further exploration of the high grade deposits of Lead and zinc should be undertaken. Large amounts of this ore are in place with prominent vein systems traced on the surface and exposed in open cuts and tunnels. Minerals named in # 15 should be further explored.

21. Exploration work should include further proving of the Lead-Zinc ore in place. Radiometric surveys for the Uranium values should be undertaken. Other minerals should be assayed. In that Lead-Zinc deposits are well defined and that shipping ore is available at this time, further exploration of these ores should be on a basis of opening larger deposits thought to exist in the points where the large veins cross each other at several well defined points.

It is thought that the property can be adequately explored in less than the two year period allowed. Amount of time spent on the project with Government cooperation will have to be determined by survey.

22. See prospectus and FormMF-100

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

FORM MF- 103

23. Requirements and Costs(Estimated) for 2 yrs Operation 14mths

A. Labor (miners) $13,500.00
muckers 20,000.00
millmen 3,000.00
engineering 15,000.00

B. Supervision $10,000.00
Assayers 5,000.00

C. Shoring & Timbering..... 2,600.00
D. Construction buildings,sheds
& bunkhouses.....7,000.00
E. Drilling Equipment(bulldozers,
(mining tools, trucks,
(compressors & survey equip18,000.00

F. Rental (Power generator, & water
(power development).... 1,500.00
G. Road Maintenance..... 2,000.00
H. Supplies & Materials.... 5,000.00
I. Water Supply Development.... 1,500.00
total $104,100.00

24. Time Schedule

June 1,1951 ..... purchase of equipment,initiate survey,build bank housing, ore shutes,road development $21,000.00

July " ..... continue work as above and purchase balance of equipment..... $30,000.00

Aug-November..... define ore,drive tunnels(exploratory)& test drilling, map making,radiometric survey, indexing of samples..$32,000.00 (average cost $8,000.00 per month)
1st year total $83,000.00

May 1952.....thru November.. initiate drive of exploratory tunnel under major vein crosses in an effort to define indicated major ore body. (Average monthly cost ..$3,334.
2nd year total $21,100.00

Business

Form MF-100
(March 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 662

Date received 4-30-51

DMA-662

Robert Henry Sherwood et al
122 East 42nd Street
New York 17, N.Y.
Room 406 A

Name and address of applicant

Date April 26, 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) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) 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 See attached sheets

   If not in production or operation, estimated date when production will begin June 1, 1951.
6. Experience of operators:

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Robert H. Sherwood 122 East 42nd St NYC	Partner		$5,000 ~~See Attached Sheets~~				
Tom E. Reid Salmon, Idaho	Partner		$25,000				
Joseph B. Basine New Britain, Conn	"		$25,000				
Laurence Hammond NYC	"		$50,000				
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues: No stock issued

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)		See attached sheets			
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

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

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

FORM MF- 100 DOCKET #DMA #662

1. Materials produced

   (a) Lead, Zinc, Silver, Gold
   (b) Cobalt, Nickel, Uranium, Vanadium, Titanium, Iron, Columbium, Tantalum, Lithium.

2. Property known as "WILLIAMSON-PHONTAS Group". Operation is in hard rock on five principal veins which intersect and cross one another at several points, indicating regions of very great ore enrichment. Phontas #1 vein is traced on the surface for a distance of 1500 feet. Williamson #1 vein is traced for a distance of 4,500 feet on the surface. Intersecting Doris #1 vein is traced for a distance of 1200 feet

   (a) Shaft on Doris #1 is 60 feet deep.
   (b) Drifts and cross cuts insignificant.
   (c) Phontas #1 tunnel is 110 feet long.
   Williamson #1 tunnel is 110 feet long.

   (d) A number of open cuts have been made on all veins for the purpose of taking samples and securing shipping ore in small quantities. Most significant of these is a cut on the Williamson #1 vein 22 feet across and from 5 to 12 feet high, to a depth of 5 feet, exposing a 30 inch wide high grade vein of lead, zinc, silver, gold ore, in depth.

   No water in any workings and none likely to be encountered.

3. (a) Nearest town 35 miles in a southernly direction where food can be purchased, and some mining supplies; Stanley, Idaho.

   Nearest shipping point is 100 miles in a southernly direction to Ketchum, Idaho, terminus of a spur of the Union Pacific R.R. and regularly used for ore shipments by the Triumph mine and other mines of that area. Good roads connect with Ketchum.

   (b) Mine is located in the Seafoam Mining District.
   (c) " " " Bear Valley Quad.
   Range: T 13 N - R 12 E
   County of Custer, State of Idaho.

4. Operation of the property was commenced in the late 1800's. From 1890 to early 1900's the silver values were mined and concentrated and shipped. This continued until the silver market price broke. The property was staked out by Tom Reid of Salmon, Idaho in 1941 and has been held over since by him. Operation of the mine has been confined to exploration,

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ROOM 406 A

assay tests, and limited shipments of sample ore for analysis and tests. In 1948 Robert Sherwood with Tom Reid became owners of the property. The property is now operated on a seven months season, due to the snow in the area. Operations normally commence on of May 15 and end in late October or early November, depending onsnow condition. With proper buildings and increased workings it will be possible to operate the property all year around with shipments of ore taking place during the 7 months snow-free season.

5. Most inensive exploration and operation of the property has been during the years 1941 to the present. Production on a large scale has not been undertaken due to the lack of capital on the part of the owners. All capital expenditures have gone for property development, test, and exploration. It is felt that with the Government assistance in completing exploration work, that the owners can begin operation on a commercial scale in that private capital will be available as soon as the exploration findings are verified.

6. Mining operations have been and will be headed up by Tom E. Reid, now of Salmon, Idaho. Tom Reid has had an excellent 25 year record in the operation of mines and in Idaho.

He also owns and operates the Reid-Texaco service station in Salmon. Prior to and during the last war he successfully operated several mining properties in the Ketchum (Idaho) area. Reid is well known in local mining circles and has an excellent reputation in his local dealings with as well as with the smelters in the Salt Lake area to which he has sold mineral products. For some time served as Forest Ranger in charge of Russian John Ranger Station in Sawtooth National Forest.
Joseph E. Bosino, builder, and contractor, many years of heavy construction -- lawyer, credit man, controller. Business experience of 25 years. Former Chairman of Water Board of New Britain, Connecticut, member of Board of Finance and Taxation. During Second World War, served as Director of Price Control for State of Connecticut.

Robert H. Sherwood is a mechanical engineer and industrial designer. Has been and is now self-employed consultant in invention and design to manufacturers and individuals producing new products. He has conducted this business both in Ketchum, Idaho, where he maintained a laboratory, and in New York City where he maintains an office. By training, experience and interest he is well qualified to conduct mineral tests of a physical and chemical nature, and has used and is familiar with mineral exploration methods involving radiation counters. In the practice of his work he has proved his executive ability to negotiate contracts, execute plans, and make responsible executive judgments.

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Sherwood has been a consultant to many small businesses and has worked on projects with the General Electric Co., the Radio Corporation of America. He is presently a consultant to the plastic moulding trade and works in conjunction with the New York office of the Boonton Molding Co. Should a program of mineral exploration and development be undertaken, Sherwood will return to Idaho to assist in the operation of the property in a technical capacity. He has done considerable assay work and exploration in the mine area.

<u>Laurence Hammond, specialist in manpower problems and public relations.</u> Served as Special Assistant to Paul V. McNutt, Chairman of the War Manpower Commission, during the last war, worked with mining leaders at both national and local level, widely travelled throughout western mining areas where he concentrated on increasing production of essential war minerals such as copper, zinc, molybdenum. Also served as Public Relations Director and Executive Vice-Chairman of the Labor-Management Committee of Bendix Radio, manufacturers of radar etc and heavy users of quartz. Supervised incentive and suggestion system which helped cut 8 hours off manufacture of every radar instrument and hence, airplanes built during war. Worked closely with both the Factory Manager, Mr. E.K.Foster, and the Industrial Relations Director, in developing harmonious and productive relations between management and the12,500 employees in the 5 Bendix plants in Baltimore, Maryland. For past 5 years has been President and Chairman of the Board of Directors of Laurence Hammond Productions, Inc., employing an average ofsome thirty people.

7(a) For history of property see #4.(attached report)

(b) Successful mines have operated and are now operating within a 50 mile radius of the mine. The geology and mineral products are similar to the Phentan-Williamson The names of these mines are: Greyhound, Blackbird, Yellowjacket, Seafoam, Sheep Mountain, all in the Bayhorse, Stanley, and Seafoam mining districts. The Blackbird, 36 miles from the Phentan-Williamson is currently producing cobalt in large quantities.

(c) See attached report

Private reports have been prepared by several parties interested in leasing the property. The owners have not

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chosen to lease, so that those reports have not become the property of the owners.

It is known, however, that the reports have been enthusiastic and favorable to the property. The last extensive survey was undertaken by Western Minerals Development Corp., 1131 Market Street, Tacoma, Washington, with the work performed by F.D.Prescott and assistants. Assay work was performed from time to time by the United States Smelting & Refining Co and the American Smelting & Refining Co and Union Assay office, all of Salt Lake City, Utah. Both the Smelting Companies have expressed interest in obtaining the ore products from the property and have said that the ore was of good milling grade.

8. See form MF 100

9. Not applicable

10. Not at present in production because of snow conditions.

11. Ability to mine this ore will depend upon the completion of exploration work. The owners of the property are currently concluding arrangements for expansion or capitalization of the property so that mining and milling equipment may be installed.

12. Preliminary tests show that the ore most prominent on the property is the lead-zinc-silver ore existing in large and well-defined veins traceable on the surface for a considerable distance. The veins cross each other at several points, suggesting that regions of ore enrichment exist below such crosses. The vertical Doris shaft has yielded several samples of one of such crosses having a value in excess of $300 a ton. The samples were massive. Ore in the Phantom tunnel is running in a vein width of 12 inches minimum, assaying between 45 and 60 dollars a ton. Williamson tunnel carries values of 65 dollars per ton average in a vein width of 50 inches. A large open cut on the Williamson has exposed high grade ore with averages in excess of 100 dollars per ton. Associated with these values, are indications of nickel, cobalt, titanium, and uranium with lithium, columbium and others.

Associated minerals are quartz, feldspar, magnetite, limonite, epidote, muscovite mica, lepodilite. The country rock in the region of the veins is highly colored by leached minerals from the veins. Colors displayed are red and brown and rose resulting from the iron oxides, and cobalt and zinc. Blue grey for the lead-silver. Black and bright silver from the magnetite and arsenical iron. Green and yellow green from the nickel and

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ROOM 406 A

12(cont)

canary yellow from arsenic sulfides and also uranium oxides. Survey work of the past reveals that the minerals are not limited to the region of the outcrop of the veins, but the whole mountain shows high mineralization.

(b)

1. No assay plans available
No sections available
The vein structure of the ore is so well defined and extensive that the operators have not prepared this information, being concerned with exploration and road building to the mine site in past years.

2. A rough estimate (conservative) indicates this ore in place: Ton equals 2000#

(a,b,c) *** LEAD ZINC SILVER ORE ***

1,500	Tons	Williamson	High Grade,	$100	per	ton	gross	value
300,000	"	"	Aver. "	65	"	"	"	"
200,000	"	Thomas	"	50	"	"	"	"
2,300	"	Doris	High "	$ 300	"	"	"	"

(d) &(e) Cost of production, smelting and shipment to Salt Lake from smelters $30.00 per ton average. This figure would be improved by hand sorting and milling to concentrate ore products. A more favorable treatment rate could be secured from the smelter with the separation of lead from zinc at the mine site.

12(cont) Not applicable

13. Roads

Improved roads lead from Ketchan, the rail shipping point to Stanley, and from Stanley to the mine turn off point at Beaver Creek. The road from Beaver Creek to the base of the mountain where the mine is situated is a Forestry Service Road. This distance is six miles. A 3/4 of a mile road has been constructed from the forestry road tot he mine workings. All roads are passable seven months of the year. From mine to R.R. distance is 100 miles.

14. Water Supply

There is more than sufficient water for domestic purposes and the operation of the largest mill desired. Domestic supply is from a spring having a flow

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14(cont.)

in excess of of 100 gallons per minute. Denver Creek in addition has at least 10 times this flow. Flow is sufficient throughout the year.

15. No electric power available at the mine site. Nearest power line is at Stanley, 35 miles away. There is sufficient water power in the mine area to generate enough power for lightning and the operation of at least a 25 ton mill. This power may also be generated by diesel engine driven generator.

16. Not applicable

17. No buildings on property, except shelter. Since there is little or no rain during the principal part of the mining season and the climate is agreeable to outdoor living, this has never been a problem. Equipment is limited to hand mining equipment.

18. All conditions covered in foregoing answers.

COPPER SMELTER
GARFIELD, UTAH

ASSAY CERTIFICATE

LEAD SMELTER
MURRAY, UTAH

AMERICAN SMELTING AND REFINING COMPANY

UTAH MINING AND SMELTING DEPARTMENTS
700 McCORNICK BUILDING, SALT LAKE CITY, UTAH
PURCHASERS OF GOLD, SILVER, COPPER, LEAD AND ZINC ORES AND CONCENTRATES

MINE T. E. Reid

SAMPLE NO. 8228

ADDRESS Box 818
Ketchum, Idaho

DATE July 12, 1940

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent	
		$0.70	$1.99	$8.82		$4.06							TOTAL OZS OLD, [illegible] 27.57 NEW $65.57
1		.02	2.2	17.1		2.0	42.2	14.3	1.2	None			
2		.02	.4	None									
3		None	None	None									

REMARKS PHONTAS #1

ASSAYER J. Morgan

TELEPHONE 3-3302

Hand Sample Serial 52304-5

Mine U.S. 816 Tom E. Reid
Box 818 Ketchum, Idaho

ASSAY REPORT
UNION ASSAY OFFICE, Inc.
J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary
Salt Lake City 11, Utah

RESULTS PER TON OF 2000 POUNDS

Sept. 13, 1948

NO.	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent	VALUE GOLD
	$0.70	$1.65	$18.56			$17.98					$44.90	
#1 Williamson Claim	0.020	8.5	5.4		26.4	8.9	19.2	20.6				
#2 Phontas Claim	Trace	1.4	None		33.4	2.2	14.7	23.8				

Remarks FROM WILLIAMSON VEIN & LOW GRADE PHONTAS TAILINGS.

Charge $

MINE Tom E. Reid

SAMPLE NO. 12625

ADDRESS Ketchum, Idaho

DATE Aug. 6, 1941

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		0.35	127.61	188.43									$316.	39/ton
1		.01	141.0	54.8										

REMARKS DORRIS HAND PICKED SAMPLES BELIEVED TO BE FROM SECONDARY SHAFT PORCHMIRAT SEAM. MAY BE CHARACTERISTIC OF ORE UNDER DORRIS PRICES. JAN. 10, 1949

ASSAYER M. G. Yeager

FORM SL-1021 10M 6-24-41
COPPER SMELTER
GARFIELD, UTAH

ASSAY CERTIFICATE

LEAD SMEL
MURRAY, UTA.

AMERICAN SMELTING AND REFINING COMPANY

UTAH MINING AND SMELTING DEPARTMENTS

700 McCORNICK BUILDING, SALT LAKE CITY, UTAH

PURCHASERS OF GOLD, SILVER, COPPER, LEAD AND ZINC ORES AND CONCENTRATES

MINE Tom E. Reid

SAMPLE NO. 12582

ADDRESS Ketchum, Idaho

DATE August 4, 1941

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		2.80	11.13	98.73										112.66
1		.08	12.3	28.7		None	52.0	3.7	None	None	Composite	1 - 2		
2		.02	11.2	31.6										118.54
		.70	10.14	107.70										

REMARKS PRICE AS OF FEB. 1949

ASSAYER M. G. Yeager

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)		See attached sheets.			
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

None
(Name of company)

By Robert H. Sherwood.
(Signature of authorized official)

April 26, 1951.
(Date)

Partner, and attorney in fact for Tom E. Reid.
(Title)

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

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

Form MF-100
(March 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 6621

Date received 4-30-51

EMC-66

Robert Henry Sherwood
122 East 42nd Street
New York 17, N.Y.
Room 406 A

Name and address of applicant

Date April 26, 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) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) 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 See attached Sheets

   If not in production or operation, estimated date when production will begin June 1, 1951.
6. Experience of operators:

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Robert H. Sherwood 122 East 42nd St. NYC.	Partner	None	[illegible]	See attached sheets			
Tom E. Reid Salmon, Idaho	Partener	None	23,000				
Joseph B. [illegible] New Britain, Conn	"		23,000				
Lawrence [illegible]	"		50,000				
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues: No stock issued

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)		See attached sheets			
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

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

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

FORM MF- 100 DOCKET #DMA #662

1. Materials produced

   (a) Lead, Zinc, Silver, Gold
   (b) Cobalt, Nickel, Uranium, Vanadium, Titanium, Iron, Columbium, Tantalum, Lithium.

2. Property known as "WILLIAMSON-PHONTAS Group". Operation is in hard rock on five principal veins which intersect and cross one another at several points, indicating regions of very great ore enrichment. Phontas #1 vein is traced on the surface for a distance of 1500 feet. Williamson #1 vein is traced for a distance of 4,500 feet on the surface. Intersecting Doris #1 vein is traced for a distance of 1200 feet

   (a) Shaft on Doris #1 is 60 feet deep.
   (b) Drifts and cross cuts insignificant.
   (c) Phontas #1 tunnel is 110 feet long.
   Williamson #1 tunnel is 110 feet long.

   (d) A number of open cuts have been made on all veins for the purpose of taking samples and securing shipping ore in small quantities. Most significant of these is a cut on the Williamson #1 vein 22 feet across and from 5 to 12 feet high, to a depth of 5 feet, exposing a 50 inch wide high grade vein of lead, zinc, silver, gold ore, in depth.

   No water in any workings and none likely to be encountered.

3. (a) Nearest town 35 miles in a southernly direction where food can be purchased, and some mining supplies; Stanley, Idaho.

   Nearest shipping point is 100 miles in a southernly direction to Ketchum, Idaho, terminus of a spur of the Union Pacific R.R. and regularly used for ore shipments by the Triumph mine and other mines of that area. Good roads connect with Ketchum.

   (b) Mine is located in the Seafoam Mining District.
   (c) " " " Bear Valley Quad.
   Range: T 13 N - R 12 E
   County of Custer, State of Idaho.

4. Operation of the property was commenced in the late 1800's. From 1890 to early 1900's the silver values were mined and concentrated and shipped. This continued until the silver market price broke. The property was staked out by Tom Reid of Salmon, Idaho in 1941 and has been held over since by him. Operation of the mine has been confined to exploration.

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406A

assay tests, and limited shipments of sample ore for analysis and tests. In 1948 Robert Sherwood with Tom Reid became owners of the property. The property is now operated on a seven months season, due to the snow in the area. Operations normal ly commence as of May 15 and end in late October or early November, depending onsnow condition. With proper buildings and increased workings it will be possible to operate the property all year around with shipments of ore taking place during the 7 months snow-free season.

5. Most inensive exploration and operation of the property has been during the years 1941 to the present. Production on a large scale has not been undertaken due to the lack of capital on the part of the owners. All capital expenditures have gone for property development, test, and exploration. It is felt that with the Government assistance in completing exploration work, that the owners can begin operation on a commercial scale in that private capital will be available as soon as the exploration findings are verified.

6. Mining operations have been and will be headed up by Tom E. Reid, now of Slamon, Idaho. Tom Reid has had an excellent 25 year record in the operation of mines and in Idaho.

He also owns and operates the Reid-Texaco service station in Salmon. Prior to and during the last war he successfully operated several mining properties in the Ketchum (Idaho) area. Reid is well known in local mining circles and has an excellent reputation in his local dealings with as well as with the smelters in the Salt Lake area to which he has sold mineral products. For some time served as Forest Ranger in charge of Russian John Ranger Station in Sawtooth National Forest.
Joseph B. Basine, builder, and contractor , many years of heavy construction -- lawyer, credit man, controller. Business experience of 25 years. Former Chairman of Water Board of New Britain, Connecticut, member of Board of Finance and Taxation. During second World War, served as Director of Price Control for State of Connecticut.

Robert H. Sherwood is a mechanical engineer and industrial designer. Has been and is now self-employed consultant in invention and design to manufacturers and individuals producing new products. He has conducted this business both in Ketchum, Idaho, where he maintained a laboratory, and in New York City where he maintains an office. By training, experience and interest he is well qualified to conduct mineral tests of a physical and chemical nature, and has used and is familiar with mineral exploration methods involving radiation counters. In the practice of his work he has proved his executive ability to negotiate contracts, execute plans, and make responsible executive judgments.

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ROOM 406 A

Sherwood has been a consultant to many small businesses and has worked on projects with the General Electric Co., the Radio Corporation of America. He is presently a consultant to the plastic moulding trade and works in conjunction with the New York office of the Boonton Molding Co. Should a program of mineral exploration and development be undertaken, Sherwood will return to Idaho to assist in the operation of the property in a technical capacity. He has done considerable assay work and exploration in the mine area.

Laurence Hammond, specialist in manpower problems and public relations. Served as Special Assistant to Paul V. McNutt, Chairman of the War Manpower Commission, during the last war, worked with mining leaders at both national and local level, widely travelled throughout western mining areas where he concentrated on increasing production of essential war minerals such as copper, zinc, molybdenum. Also served as Public Relations Director and Executive Vice-Chairman of the Labor-Management Committee of Bendix Radio, manufacturers of radar etc and heavy users of quartz. Supervised incentive and suggestion system which helped cut 8 hours off manufacture of every radar instrument(and hence, airplanes) built during war. Worked closely with both the Factory Manager, Mr. E.K.Foster, and the Industrial Relations Director, in developing harmonious and productive relations between management and the12,500 employees in the 5 Bendix plants in Baltimore, Maryland. For past 5 years has been President and Chairman of the Board of Directors of Laurence Hammond Productions, Inc., employing an average ofsome thirty people.

7(a) For history of property see §4.(attached report)

(b) Successful mines have operated and are now operating within a 50 mile radius of the mine. The geology and mineral products are similar to the Phontas-Williamson The names of these mines are: Greyhound, Blackbird, Yellowjacket, Seafoam, Sheep Mountain, all in the Bayhorse, Stanley, and Seafoam mining districts. The Blackbird, 26 miles from the Phontas-Williamson is currently producing cobalt in large quantities.

(c) See attached report

Private reports have been prepared by several parties interested in leasing the property. The owners have not

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ROOM 1068

chosen to lease, so that these reports have not become the property of the owners.

It is known, however, that the reports have been enthusiastic and favorable to the property. The last extensive survey was undertaken by Western Minerals Development Corp., 1131 Market Street, Tacoma, Washington. with the work performed by F.B.Prescott and assistants. Assay work was performed from time to time by the United States Smelting & Refining ~~and~~ Co and the American Smelting & Refining Co and Union Assay office, all of Salt Lake City, Utah. Both the Smelting Companies have expressed interest in obtaining the ore products from the property and have said that the ore was of good milling grade.

8. See form MF 100

9. Not applicable

10. Not at present in production because of snow conditions.

11. Ability to mine this ore will depend upon the completion of exploration work. The owners of the property are currently concluding arrangements for expansion or capitalization of the property so that mining and milling equipment may be installed.

12. Preliminary tests show that the ore most prominent on the property is the lead-zinc-silver ore existing in large and well-defined veins traceable on the surface for a considerable distance. The veins cross each other at several points, suggesting that regions of ore enrichment exist below such crosses. The vertical Doris shaft has yielded several samples of one of such crosses having a value in excess of $300 a ton. The samples were massive. Ore in the Phontas tunnel is running in a vein width of 12 inches minimum, assaying between 45 and 60 dollars a ton. Williamson tunnel carries values of 65 dollars per ton average in a vein width of 50 inches. A large open cut on the Williamson has exposed high grade ore with averages in excess of 100 dollars per ton. Associated with these values, are indications of nickel, cobalt, titanium, and uranium with lithium, columbium and others.

Associated minerals are quartz, feldspar, magnatite, limonite, epidote, muscovite mica, lepodilite, The country rock in the region of the veins is highly colored by leached minerals from the veins. Colors displayed are red and brown and rose resulting from the iron oxides, and cobalt and zinc. Blue grey for the lead-silver. Black and bright silver from the magnatite and arsenical iron. Green and yellow green from the nickel and

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ROOM 406-A

12(cont)

canary yellow from arsenic sulfides and also uranium oxides. Survey work of the past reveals that the minerals are not limited to the region of the outcrop of the veins, but the whole mountain shows high mineralization.

(b)

1. No assay plans available
No sections available
The vein structure of the ore is so well defined and extensive that the operators have not prepared this information, being concerned with exploration and road building to the mine site in past years.

2. A rough estimate (conservative) indicates this ore in place: Ton equals 2000#

(a,b,c) *** LEAD ZINC SILVER ORE ***

1,500	Tons	Williamson	High Grade,	$100	per	ton	gross	value
300,000	"	"	Aver. "	65	"	"	"	"
200,000	"	Thomas	"	50	"	"	"	"
2,300	"	Boris	High "	$ 300	"	"	"	"

(d) &(e) Cost of production, smelting and shipment to Salt Lake area smelters $30.00 per ton average. This figure would be improved by hand sorting and milling to concentrate ore products. A more favorable treatment rate could be secured from the smelter with the separation of lead from zinc at the mine site.

12(cont) Not applicable

13. Roads

Improved roads lead from Ketchum, the rail shipping point to Stanley, and from Stanley to the mine turn off point at Beaver Creek. The road from Beaver Creek to the base of the mountain where the mine is situated is a Forestry Service Road. This distance is six miles. A 3/4 of a mile road has been constructed from the forestry road tot he mine workings. All roads are passable seven months of the year. From mine to R.R. distance is 100 miles.

14. Water Supply

There is more than sufficient water for domestic purposes and the operation of the largest mill desired. Domestic supply is from a spring having a flow

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13(cont)

in excess of of 100 gallons per minute. Beaver Creek in addition has at least 10 times this flow. Flow is sufficient throughout the year.

15. No electric power available at the mine site. Nearest power line is at Stanley, 35 miles away. There is sufficient water power in the mine area to generate enough power for lightning and the operation of at least a 25 ton mill. This power may also be generated by diesel engine driven generator.

16. Not applicable

17. No buildings on property, except shedlike. Since there is little or no rain during the principal part of the mining season and the climate is agreeable to outdoor living, this has never been a problem. Equipment is limited to hand mining equipment.

18. All conditions covered in foregoing answers.

COPPER SMELTER
GARFIELD, UTAH

ASSAY CERTIFICATE

LEAD SMELTER
MURRAY, UTAH

AMERICAN SMELTING AND REFINING COMPANY

UTAH MINING AND SMELTING DEPARTMENTS
700 McCORNICK BUILDING, SALT LAKE CITY, UTAH
PURCHASERS OF GOLD, SILVER, COPPER, LEAD AND ZINC ORES AND CONCENTRATES

MINE T. E. Reid

SAMPLE NO. 8228

ADDRESS Box 818
Ketchum, Idaho

Open Pit Williamson

DATE July 12, 1940

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		$0.70	$1.99	58.82		4.06							TOTAL OZS	NET
1		.02	2.2	17.1		2.0	42.2	14.3	1.2	None		OLD, NEW	27.57 68.57	
2		.02	.4	None										
3		None	None	None										

REMARKS PHONTAS #1

ASSAYER J. Morgan

TELEPHONE 3-3302

Hand Sample Serial 52304-5

Mine U.S. 816 Tom E. Reid

Box 818 Ketchum, Idaho

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary
Salt Lake City 11, Utah

RESULTS PER TON OF 2000 POUNDS

Sept. 13, 1948

NO.	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent	VALUE GOLD
	$0.70	$7.65	$18.56			$17.98					$44.90	
#1 Williamson Claim	0.020	8.5	5.4		26.4	8.9	19.2	20.6	On Wall of Williamson Tunnel			
#2 Phontas Claim	Trace	1.4	None		33.4	2.2	14.7	23.8	Dump Samples			

Remarks FROM WILLIAMSON VEIN & LOW GRADE PHONTAS TAILINGS.

Charges $

MINE Tom E. Reid

SAMPLE NO. 12625

ADDRESS Ketchum, Idaho

DATE Aug. 6, 1941

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		0.35	127.61	188.43									316.	39/ton
1		.01	141.0	54.8	Open Cut									

REMARKS DORRIS HAND PICKED SAMPLES BELIEVED TO BE FROM SECONDARY SHAFT
PARCHMENT SEAM. MAY BE CHARACTERISTIC OF THE UNDER DORRIS SHS.
PRICES. JAN. 10, 1949

ASSAYER M. A. Yeager

FORM SL-1021 10M 6-24-41
COPPER SMELTER
GARFIELD, UTAH

ASSAY CERTIFICATE

LEAD SMEL
MURRAY, UTA.

AMERICAN SMELTING AND REFINING COMPANY

UTAH MINING AND SMELTING DEPARTMENTS

700 McCORNICK BUILDING, SALT LAKE CITY, UTAH

PURCHASERS OF GOLD, SILVER, COPPER, LEAD AND ZINC ORES AND CONCENTRATES

MINE Tom E. Reid

SAMPLE NO. 12582

ADDRESS Ketchum, Idaho

DATE August 4, 1941

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		2.80	11.13	98.73										112.66
1		.08	12.3	28.7		None	52.0	3.7	None	None	Composite		1 - 2	
2		.02	11.2	31.6				Compositing						
		.70	10.14	107.70										118.54

REMARKS PRICES AS OF FEB. 1949

ASSAYER M. A. Yeager

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)		See attached sheets			
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

None
(Name of company)

By Robert A. Skinwood
(Signature of authorized official)

April 26, 1951.
(Date)

Partner and attorney in fact for Tom E. Reid.
(Title)

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

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

April 17, 1951

re: Docket [illegible]

Mr. Robert [illegible] Sherwood
122 East 42nd Street
Chrysler Building - Room [illegible]
New York 17, N. Y.

Dear Mr. Sherwood:

This will acknowledge receipt of your letter of March 31. Information and forms concerning the exploration program, approved by the Defense Minerals Administration, have just been printed for public release. I am enclosing a set as requested in your letter.

If I can be of further assistance to you, please feel free to call upon me.

Very truly yours,

Otto Herres

[illegible], Chief
Lead-Zinc Branch

Enclosures

[illegible] McKnightsamp
4/17/51
Copies to: Chief Lead-Zinc Br.
[illegible] McKnight [illegible]
L. B. Loon
M. H. Hote
[illegible] Strobel
[illegible] Kittendorf
Files

LANDON F. STROBEL

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

March 21, 1951.

RE: Docket DMA-662

Mr. Otto Herres, Chief
Lead-Zinc Branch, DMA
United States Department of Interior
Defense Metals Administration
Washington 25, D.C.

Dear Mr. Herres:

Thank you for your letter of March 7th in which you advise me that the government assistance program in the development of mineral prospects is applicapable to my needs.

Please place me on the mailing list to receive the necessary application blanks, schedules , and information sheets as they become available.

I would appreciate receiving in addition two copies of the press release describing the activity of DMA.

Thank you for your letter and your kindness in responding to my request,

Very truly yours,

Robert H. Sherwood

Robert H. Sherwood

16

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 6 1951

LANDON F. STROBEL
Executive Secretary

t Herres
reply

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

March 7, 1951

Mr. Robert H. Sherwood
122 East 42nd Street
New York 17, New York

Re: Docket DMA-662

Dear Mr. Sherwood:

Your letter of February 1, addressed to the National Security Resources Board requesting Federal assistance in developing your mining property in the State of Idaho, has been referred to this office for reply.

Within the past several days, the Defense Minerals Administration has announced a program for encouragement of exploration and development of mining properties producing strategic and critical minerals. I think you will see, after reading the enclosed press release on this program, that it is designed to assist operations such as yours. Requests for aid under this program of exploration and development will require the filing of a questionnaire which will be available for distribution soon. If you are interested in this type of assistance, I shall be pleased to forward you the necessary schedules when they become available. As you have noted, National Security Resources Board Form 140 and 146 are not particularly applicable to your operation and I would suggest that you take no further action on these forms.

I trust this information satisfactorily answers your inquiry. If I can be of further assistance to you at any time, please feel free to call upon me.

Very truly yours,

OTTO HERRES

OTTO HERRES, Chief
Lead-Zinc Branch, DMA

Enclosure 1
RHMOTE/ppm Mrs. Parker
Copy to - Base Metals Branch
R. H. Mote
Lowell B. Moon, Minerals Div.
Otto Herres, Lead-Zinc Br.
Ed McKnight - Geological Sur.
L. F. Strobel
C. O. Mittendorf
Files

Region II, Field Team
2 copies to - Executive Officer,
Mr. A. E. Weissenborn
and
Mr. H. E. Volin
South 157 Howard St.
Spokane 8, Wa.

LA ON F. STROBEL
FEB 8

EXECUTIVE OFFICE OF THE PRESIDENT
NATIONAL SECURITY RESOURCES BOARD
WASHINGTON

February 6, 1951

Mr. Alfred C. Wolf
Executive Assistant to the Secretary
Department of the Interior
Washington 25, D. C.

2/16/51
Hersey
action

Dear Mr. Wolf:

After discussion with your secretary today of the contents of letter from Robert H. Sherwood, Chanin Building, New York, N. Y. regarding a government loan on mining property in Idaho, it was deemed advisable to forward same to your office for attention and reply.

In this connection we have advised Mr. Sherwood that this has been done and that he will no doubt hear from you in the near future.

Very truly yours,

T.T. Perkins

T.T. Perkins
Business Expansion Office

Enclosure

Form MF-100
(March 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 662

Date received 4-30-51

D.M.A. 662

Robert Henry Sherwood et. al
122 East 42nd Street
New York 17, N.Y.
Room 406 A

Name and address of applicant

Date April 26, 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) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) 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 See attached sheets

   If not in production or operation, estimated date when production will begin June 1, 1951.
6. Experience of operators:

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Robert H. Sherwood 123 East 42nd St. NYC	Partner	None	$50,000				
Tom E. Reid Salmon Idaho	Partner	None	$50,000				
Joseph B. Basine New Britain Conn			$25,000				
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues: No stock issued

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)		See [illegible]			
2. Quantity of product processed (specify unit of measure and type of process)		— None —			
3. Quantity and grade of product sold or shipped (specify units of measure)					

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

12. Ore or Mineral Reserves:

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

ROBERT H. SHERWOOD
INVENTION
INDUSTRIAL DESIGN
PRODUCT DEVELOPMENT

LEXINGTON 2-9004

122 EAST 42ND STREET
CHANIN BUILDING
NEW YORK 17, N. Y.
ROOM 406 A

FORM MF- 100 DOCKET #DMA #662

1. Materials produced

   (a) Lead, Zinc, Silver, Gold
   (b) Cobalt, Nickel, Uranium, Vanadium, Titanium, Iron, Columbium, Tantalum, Lithium.

2. Property known as "WILLIAMSON-PHONTAS Group". Operation is in hard rock on five principal veins which intersect and cross one another at several points, indicating regions of very great ore enrichment. Phontas #1 vein is traced on the surface for a distance of 1500 feet. Williamson #1 vein is traced for a distance of 4,500 feet on the surface. Intersecting Doris #1 vein is traced for a distance of 1200 feet

   (a) Shaft on Doris #1 is 60 feet deep.
   (b) Drifts and cross cuts insignificant.
   (c) Phontas #1 tunnel is 110 feet long.
   Williamson #1 tunnel is 110 feet long.

   (d) A number of open cuts have been made on all veins for the purpose of taking samples and securing shipping ore in small quantities. Most significant of these is a cut on the Williamson #1 vein 22 feet across and from 5 to 12 feet high, to a depth of 5 feet, exposing a 50 inch wide high grade vein of lead, zinc, silver, gold ore, in depth.

   No water in any workings and none likely to be encountered.

3. (a) Nearest town 35 miles in a southernly direction where food can be purchased, and some mining supplies; Stanley, Idaho.

   Nearest shipping point is 100 miles in a southernly direction to Ketchum, Idaho, terminus of a spur of the Union Pacific R.R. and regularly used for ore shipments by the Triumph mine and other mines of that area. Good roads connect with Ketchum.

   (b) Mine is located in the Seafoam Mining District.
   (c) " " Bear Valley Quad.
   Range: T 13 N - R 12 E
   County of Custer, State of Idaho.

4. Operation of the property was commenced in the late 1800's. From 1890 to early 1900's the silver values were mined and concentrated and shipped. This continued until the silver market price broke. The property was staked out by Tom Reid of Salmon, Idaho in 1941 and has been held ever since by him. Operation of the mine has been confined to exploration,

ROBERT H. SHERWOOD
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assay tests, and limited shipments of sample ore for analysis and tests. In 1948 Robert Sherwood with Tom Reid became owners of the property. The property is now operated on a seven months season, due to the snow in the area. Operations normal ly commence as of May 15 and end in late October or early November, depending onsnow condition. With proper buildings and increased workings it will be possible to operate the property all year around with shipments of ore taking place during the 7 months snow-free season.

5. Most inensive exploration and operation of the property has been during the years 1941 to the present. Production on a large scale has not been undertaken due to the lack of capital on the part of the owners. All capital expenditures have gone for property development, test, and exploration. It is felt that with the Government assistance in completing exploration work, that the owners can begin operation on a commercial scale in that private capital will be available as soon as the exploration findings are verified.

6. Mining operations have been and will be headed up by Tom E. Reid, now of Slamon, Idaho. Tom Reid has had an excellent 25 year record in the operation of mines and in Idaho.

He also owns and operates the Reid-Texaco service station in Salmon. Prior to and during the last war he successfully operated several mining properties in the Ketchum (Idaho) area. Reid is well known in local mining circles and has an excellent reputation in his local dealings ~~with~~ as well as with the smelters in the Salt Lake area to which he has sold mineral products. For some time served as Forest Ranger in charge of Russian John Ranger Station in Sawtooth National Forest.
Joseph B. Basine, builder, and contractor , many years of heavy construction -- lawyer, credit man, controller. Business experience of 25 years. Former Chairman of Water Board of New Britain, Connecticut, member of Board of Finance and Taxation. During second World War, served as Director of Price Control for State of Connecticut.

Robert H. Sherwood is a mechanical engineer and industrial designer. Has been and is now self-employed consultant in invention and design to manufacturers and individuals producing new products. He has conducted this business both in Ketchum, Idaho, where he maintained a laboratory, and in New York City where he maintains an office. By training, experience and interest he is well qualified to conduct mineral tests of a physical and chemical nature, and has used and is familiar with mineral exploration methods involving radiation counters. In the practice of his work he has proved his executive ability to negotiate contracts, execute plans, and make responsible executive judgments.

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Sherwood has been a consultant to many small businesses and has worked on projects with the General Electric Co., the Radio Corporation of America, He is presently a consultant to the plastic moulding trade and works in conjunction with the New York office of the Boonton Molding Co. Should a program of mineral exploration and development be undertaken, Sherwood will return to Idaho to assist in the operation of the property in a technical capacity. He has done considerable assay work and exploration in the mine area.

Laurence Hammond, specialist in manpower problems and public relations. Served as Special Assistant to Paul V. McNutt, Chairman of the War Manpower Commission, during the last war, worked with mining leaders at both national and local level, widely travelled throughout western mining areas where he concentrated on increasing production of essential war minerals such as copper, zinc, molybdenum. Also served as Public Relations Director and Executive Vice-Chairman of the Labor-Management Committee of Bendix Radio, manufacturers of radar etc and heavy users of quartz. Supervised incentive and suggestion system which helped cut 8 hours off manufacture of every radar instrument(and hence, airplane) built during war. Worked closely with both the Factory Manager, Mr. E.K.Foster, and the Industrial Relations Director, in developing harmonious and productive relations between management and the12,500 employees in the 5 Bendix plants in Baltimore, Maryland. For past 5 years has been President and Chairman of the Board of Directors of Laurence Hammond Productions,Inc., employing an average ofsome thirty people.

7(a) For history of property see #4.(attached report)

(b) Successful mines have operated and are now operating within a 50 mile radius of the mine. The geology and mineral products are similar to the Phontas-Williamson The names of these mines are: Greyhound, Blackbird, Yellowjacket, Seafoan, Sheep Mountain, all in the Bayhorse, Stanley, and Seafoan mining districts. The Blackbird, 26 miles from the Phontas-Williamson is currently producing cobalt in large quantities.

(c) See attached report

Private reports have been prepared by several parties interested in leasing the property. The owners have not

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chosen to lease, so that these reports have not become the property of the owners.

It is known, however, that the reports have been enthusiastic and favorable to the property. The last extensive survey was undertaken by Western Minerals Development Corp., 1131 Market Street, Tacoma, Washington. with the work performed by F.B.Prescott and assistants. Assay work was performed from time to time by the United States Smelting & Refining and Co and the American Smelting & Refining Co and Union Assay office, all of Salt Lake City, Utah. Both the Smelting Companies have expressed interest in obtaining the ore products from the property and have said that the ore was of good milling grade.

8. See form MF 100

9. Not applicable

10. Not at present in production because of snow conditions.

11. Ability to mine this ore will depend upon the completion of exploration work. The owners of the property are currently concluding arrangements for expansion or capitalization of the property so that mining and milling equipment may be installed.

12. Preliminary tests show that the ore most prominent on the property is the lead-zinc-silver ore existing in large and well-defined veins traceable on the surface for a considerable distance. The veins cross each other at several points, suggesting that regions of ore enrichment exist below such crosses. The vertical Doris shaft has yielded several samples of one of such crosses having a value in excess of $300 a ton. The samples were massive. Ore in the Phontas tunnel is running in a vein width of 12 inches minimum, assaying between 45 and 60 dollars a ton. Williamson tunnel carries values of 65 dollars per ton average in a vein width of 50 inches. A large open cut on the Williamson has exposed high grade ore with averages in excess of 100 dollars per ton. Associated with these values, are indications of nickel, cobalt, titanium, and uranium with lithium, columbium and others.

Associated minerals are quartz, feldspar, magnatite, limonite, epidote, muscovite mica, lepodilite, The country rock in the region of the veins is highly colored by leached minterals from the veins. Colors displayed are red and brown and rose resulting from the iron oxides, and cobalt and zinc. Blue grey for the lead-silver. Black and bright silver from the magnatite and arsenical iron. Green and yellow green from the nickel and

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12(cont)

canary yellow from arsenic sulfides and also uranium oxides Survey work of the past reveals that the minerals are not limited to the region of the outcrop of the veins, but the whole mountain shows high mineralization.

(b)

1. No assay plans available
No sections available
The vein structure of the ore is so well defined and extensive that the operators have not prepared this information, being concerned with exploration and road building to the mine site in past years.

2. A rough estimate (conservative) indicates this ore in place: Ton equals 2000#

(a,b,c) *** LEAD ZINC SILVER ORE ***

1,500	Tons	Williamson	High Grade,	$100	per	ton	gross	value
300,000	"	"	Aver. "	65	"	"	"	"
200,000	"	Phontas	"	50	"	"	"	"
2,500	"	Doris	High "	$ 300	"	"	"	"

(d) &(e) Cost of production, smelting and shipment to Salt Lake Area smelters $30.00 per ton average. This figure would be improved by hand sorting and milling to concentrate ore products. A more favorable treatment rate could be secured from the smelter with the separation of lead from zinc at the mine site.

12(cont) Not applicable

13. Roads

Improved roads lead from Ketchum, the rail shipping point to Stanley, and from Stanley to the mine turn off point at Beaver Creek. The road from Beaver Creek to the base of the mountain where the mine is situated is a Forestry Service Road. This distance is six miles. A 3/4 of a mile road has been constructed from the forestry road tot he mine workings. All roads are passable seven months of the year. From mine to R.R. distance is 100 miles.

14. Water Supply

There is more than sufficient water for domestic purposes and the operation of the largest mill desired. Domestic supply is from a spring having a flow

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14 (cont)

in excess of of 100 gallons per minute. Beaver Creek in addition has at least 10 times this flow. Flow is sufficient throughout the year.

15. No electric power available at the mine site. Nearest power line is at Stanley, 35 miles away. There is sufficient water power in the mine area to generate enough power for lighting and the operation of at least a 25 ton mill. This power may also be generated by diesel engine driven generator.

16. Not applicable

17. No buildings on property, except shedlike. Since there is little or no rain during the principal part of the mining season and the climate is agreeable to outdoor living, this has never been a problem. Equipment is limited to hand mining equipment.

18. All conditions covered in foregoing answers.

COPPER SMELTER
GARFIELD, UTAH

ASSAY CERTIFICATE

LEAD SMELTER
MURRAY, UTAH

AMERICAN SMELTING AND REFINING COMPANY

UTAH MINING AND SMELTING DEPARTMENTS
700 McCORNICK BUILDING, SALT LAKE CITY, UTAH
PURCHASERS OF GOLD, SILVER, COPPER, LEAD AND ZINC ORES AND CONCENTRATES

MINE T. E. Reid

SAMPLE NO. 8228

ADDRESS Box 818
Ketchum, Idaho

DATE July 12, 1940

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent	Total Gross	Net
		$0.70	$1.99	$8.82		$o.k.								
1		.02	2.2	17.1		2.0	42.2	14.3	1.2	None		OLD NEW	$65.57	
2		.02	.4	None										
3		None	None	None										

REMARKS PHONTAS #1

ASSAYER J. Morgan

TELEPHONE 3-3302

Hand Sample Serial 52304-5

Mine U.S. 816 Tom E. Reid

Box 818 Ketchum, Idaho

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary

Salt Lake City 11, Utah

RESULTS PER TON OF 2000 POUNDS

Sept. 13, 1948

NO.	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent	VALUE GOLD
	$0.70	$1.65	$18.56			$17.98					$44.90	
#1 Williamson Claim	0.020	8.5	5.4		26.4	8.9	19.2	20.6				
#2 Phontas Claim	Trace	1.4	None		33.4	2.2	14.7	23.8				

Remarks FROM WILLIAMSON VEIN & LOW GRADE PHONTAS TAILINGS.

MINE Tom E. Reid

SAMPLE NO. 12625

ADDRESS Ketchum, Idaho

DATE Aug. 6, 1941

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		0.35	127.61	188.43									316.	39/ton
1		.01	141.0	54.8										

REMARKS DORRIS HAND PICKED SAMPLES. BELIEVED TO BE FROM SECONDARY SHAFT ENRICHMENT SEAM. MAY BE CHARACTERISTIC OF ORE UNDER DORRIS PRICES. JAN. 10, 1949.

ASSAYER M. A. Yeager

FORM SL-1021 10M 6-24-41
COPPER SMELTER
GARFIELD, UTAH

ASSAY CERTIFICATE

LEAD SMEL
MURRAY, UTA.

AMERICAN SMELTING AND REFINING COMPANY

UTAH MINING AND SMELTING DEPARTMENTS

700 McCORNICK BUILDING, SALT LAKE CITY, UTAH

PURCHASERS OF GOLD, SILVER, COPPER, LEAD AND ZINC ORES AND CONCENTRATES

MINE Tom E. Reid

SAMPLE NO. 12582

ADDRESS Ketchum, Idaho

DATE August 4, 1941

No.	Class	Gold ozs./ton	Silver ozs./ton	Lead Per Cent	Copper Per Cent	Zinc Per Cent	Insoluble Per Cent	Iron Per Cent	Lime Per Cent	Sulphur Per Cent	Arsenic Per Cent	Antimony Per Cent		
		2.80	11.13	98.73										112.66
1		.08	12.3	28.7		None	52.0	3.7	None	None	Composite	1 - 2		
2		.02	11.2	31.6										
		.70	10.14	107.70										118.54

REMARKS PRICE AS OF FEB. 1949

ASSAYER M. A. Yeager

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)		See attached sheets			
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

None
(Name of company)

By Robert H. Sherwood
(Signature of authorized official)

April 26, 1951.
(Date)

Partner and attorney in fact for Tom E. Reid
(Title)

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

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dmn 662

Date received 4-30-51

Participation

10. W

Robert Henry Sherwood et. al.
122 East 42nd Street
New York 17, N.Y.
Room 406 A

Name and address of applicant

Date April 26, 1951

FILL IN THIS BLOCK

Date of application April 26, 1951 Estimated cost $104,100.00

Mineral or metal Lead - Zinc - Cobalt - Nickel Titanium . Columbium . Uranium Percentage of Government participation

Location of mine Seafoam Mining District, County of Custer, State of Idaho

100 miles in Northerly direction from Ketchum, Idaho

Date of filing MF-100 DMA Docket Number, if available 662

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.

None
(Name of company)

By Robert H. Sherwood
(Signature of authorized official)

April 26, 1951
(Date)

Partner and Attorney in fact for Tom E. Reid
(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

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Docket # DMA 662
Form MF-103
April 26, 1951

Questions 1 to 5 inclusive answered in MF-100

6. No claims liens or other encumbrances.
7. Not applicable.
8. Current financial statement... No profit + loss - Not in operation during 1950

ASSETS

Raw materials (ore stockpile) ...	$2,700.00
Land	$100,000.00
Machinery & Equipment ...	5,000.00
Fixtures & Lab Equipment	2,500.00
Less Depreciation	300.00
Supplies (Dynamite, rope, etc.....	1,500.00
TOTAL ASSETS	$111,400.00

NO LIABILITIES

9. $25,000 or more
10. A For description of the mine, see attached form MF-100
B Exploration of the property to be in the Seafoam Mining District, in Challis National Forest, County of Custer, State of Idaho. This property is located in the Coordinates T 13 N, R 12 E Challis Nat. For. Map. The property is described in Proof of Labor Certificate on File with County Clerk, Custer County Courthouse, Challis, Idaho, Book #11 Page 378; Proof of Labor Certificate # 102,202, Filed by Tom E. Reid, Salmon, Idaho. And also area below claim, approximately 4,000 feet.

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Form MF - 103 Cont.

Page two

Questions # 11 to 14 Inclusive answered in Form MF-100

15. Ore will be shipped from mine site to railhead, at Ketchum, Idaho, a distance of 100 miles over improved roads. It will there be loaded onto ore cars for a 300 mile shipment to smelters in the Salt Lake area. Due to distance involved it would be well to have facilities at the mine site to hand sort and rough concentrate the ore material. It should be noted that the ore of the Thomas Williamson property contains very high values in Lead, Zinc, Silver; there is some Cobalt, Nickel, Titanium, Uranium and other values present with the ore in unknown amounts.

Questions # 16 to 18 inclusive answered in Form MF-100.

19. Operation season May to November (7 months). Later, year round operation can be undertaken with shipping of ore during the snow free seven month period.

20. Further exploration of the high grade deposits of Lead and zinc should be undertaken. Large amounts of this ore are in place with prominent vein systems traced on the surface and exposed in open cuts and tunnels. Minerals named in # 15 should be further explored.

21. Exploration work should include further proving of the Lead-Zinc ore in place. Radiometric surveys for the Uranium values should be undertaken. Other minerals should be assayed. In that Lead-Zinc deposits are well defined and that shipping ore is available at this time, further exploration of those areas should be on a basis of opening larger deposits thought to exist in the points where the large veins cross each other at several well defined points.

It is thought that the property can be adequately explored in less than the two year period allowed. Amount of time spent on the project with Government cooperation will have to be determined by survey.

22. See prospectus and Form MF-100

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FORM MF- 103

23. Requirements and Costs(Estimated) for 2 yrs Operation 14mths

A. Labor (miners)	$13,500.00
muckers	20,000.00
millmen	3,000.00
engineering	15,000.00
B. Supervision	$10,000.00
Assayers	5,000.00
C. Shoring & Timbering	2,600.00
D. Construction buildings, sheds & bunkhouses	7,000.00
E. Drilling Equipment (bulldozers, (mining tools, trucks, (compressors & survey equip	18,000.00
F. Rental (Power generator, & water (power development)	1,500.00
G. Road Maintenance	2,000.00
H. Supplies & Materials	5,000.00
I. Water Supply Development	1,500.00
total	$104,100.00

24. Time Schedule

June 1, 1951 ..... purchase of equipment, initiate survey, build bunk housing, ore shutes, road development $21,000.00

July " ..... continue work as above and purchase balance of equipment..... $30,000.00

Aug-November..... define ore, drive tunnels (exploratory) & test drilling, map making, radiometric survey, indexing of samples..$32,000.00 (average cost $8,000.00 per month)
1st year total $83,000.00

May 1952.....thru November.. initiate drive of exploratory tunnel under major vein crosses in an effort to define indicated major ore body. (Average monthly cost ..$3,994.
2nd year total $21,100.00