DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2461

DO NOT DETACH THIS SLIP

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This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip
Copies to USBM, USGS.

To:	Code 400, Rm. 3538	Date	4-1-52
To:	Op. Com	Date	6-~~12~~ 16-52
To:	Op Com	Date	9-5-52.
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DO NOT DETACH

CONTROLLED DOCUMENT

IN REPLY REFER TO:

G-MD-CP

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

400

August 22, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, USGS

Subject: Field Report DMEA 2461 - Cobalt
Courlie property
Ptomigan claims
Okanogan County, Washington

This property was examined June 25, 1952 by J. S. Vhay of the Geological Survey. Vhay's report, dated August 4, shows that the exposures of the narrow sulfide vein contain no cobalt and only insignificant amounts of copper, gold and silver.

I concur with the recommendation that the application be denied.

DMLemmon:gt

Copy retained 400

[illegible]

JUN 1 6 1952

Mr. A. [illegible] Weissenborn
Executive Officer, DMEA Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMEA 2461 - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mr. Weissenborn:

On March 28, 1952, your office forwarded to Washington three copies of the subject application and noted that one copy had been retained in order that a field examination might be made at the earliest possible date.

The commodity divisions recommended that further information be secured from the applicant before possibly making a field examination request. For your information I am forwarding herewith a copy of a letter from the applicant in which it can be noted that no more information is forthcoming. Will you study the matter and, if you deem it advisable, please arrange for an examination of the property since it is reported as a new discovery.

If an exploration project is warranted, please advise the applicant in what manner an amended application should be submitted. Attention of the applicant should be called to the fact that she will have to provide sufficient funds to finance the project for at least the first two months.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosure

Approved:

C. N. Johnson
Member, Bureau of Mines

J. M. Lemmon
Member, Geological Survey

GCSelfridge:ls 6/13/52

cc: Docket
Admn. Read. File
Field Team, Reg. 2
G. C. Selfridge
Operating Committee
H. W. Davis, USBM
T. P. Thayer, USGS

(Received June 11, 1952)

C
O
P
Y

Re: Docket No. DMEA 2461X - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Defense Minerals Exploration
Administration

Dear Sirs:

I received your letter of April 22nd also one on June 2nd, stating you would like more information on my claims as to location and detailed costs of work, and also facts as you say that lead to believe I will encounter more commercial ore, as to regards to these questions I completely filled out your forms, also drew you maps of the property and near district. I also enclosed letters that stated the ore was as I described it to you.

The maps you will see describes everything I know of I can tell you. This district is unsurveyed territory as I stated before. They are four full claims each contain 20 acres. The dip of the vein is to the North at a 90 degrees pitch.

They are all on record at Okanogan, Washington. If you will kindly state just what it is of further information I can give you, I will gladly do so.

As to the Forestry Road Permit, I have talked to them at Okanogan and can get it at any time.

Now as to a amended application I don't see what difference that can make to the first one. It seems I have told you everything that can be told about it.

I'm sorry to the delay in writing you but I was waiting for the road to be opened to that district so the engineers could schedule a field examination of the property.

In regards to samples I thot it customary for them to get or pick their own samples.

Am expecting your engineers to look over the property in the very near future.

I have kept a duplicate copy of all the forms filled out and sent you. If you should need to refer to any question on either of the forms, I can refer to them here.

Thanking you kindly

Mrs. Florence A. Gourlie
Box 8, Winthrop, Washington

400

EXPLORATION

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Re: Docket No. DMEA 2461X - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mrs. Gourlie:

On April 22, 1952, we wrote you requesting additional information with regard to your application for assistance to explore your Slate Creek Mining District property. To date we have not had an answer to our letter. We would like to continue processing the application but cannot do so until we hear from you.

We wish to cooperate in the matter of allowing ample time but if the needed information has not been received by July 15, 1952, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator,
Defense Minerals Exploration
Administration

C.E.Selfridge:lk 5/8/52

Copy to: Docket
Admin. Assistant File
Field Adm. Region 2
C. E. Selfridge
H. W. Davis, USBM
T.P.Thayer, USGS

400

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Re: DMCA 2461X - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mrs. Gourlie:

Your application for aid for an exploration project on the above-noted property has been received.

The information given is very meagre and is insufficient for us to proceed further with your application.

We suggest that you prepare an amended application showing the claim lines, the position of the vein, the location and detailed costs of the proposed work, and all other facts which lead you to believe that the proposed work will encounter commercial ore. We particularly desire several samples from representative ore exposures whose cobalt contents have been determined by a reputable assayer.

Our information is that "Primitive Areas" are restricted as to roads. Therefore, you should obtain an access permit from the Forest Service and enclose a copy with your amended application.

Your application will be held in abeyance until receipt of the above-requested information.

Sincerely yours,

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

QDBrewer:ls
4/18/52

cc: Admn. Reading File
Docket
Field Team, Region 2
S. C. Selfridge

cc: T. P. Thayer, USGS
H.W. Davis, USBM

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

400

April 17, 1952

Memorandum

To: George R. Selfridge, Defense Minerals Exploration Admin.

From: H. W. Davis, Bureau of Mines

Subject: DMEA-2461 - Mrs. Florence A. Gourlie, Winthrop, Wash., March 18, 1952. Cobalt. $10,000

Applicant states that she intends to drive tunnel on vein of ore that contains sulfide of cobalt and requests loan of $10,000, which she believes would be sufficient to determine whether or not cobalt occurs in minable quantity.

Inasmuch as the applicant has submitted insufficient evidence to indicate the presence of cobalt on her property, it is recommended that the application be referred to the Field Team for general information and comments and, if the Field Team deems necessary, a field investigation be made.

H. W. Davis

Copy retained 400

IN REPLY REFER TO:

G-MD-TPT

402

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

April 7, 1952

Memorandum

To: G. C. Selfridge, DMEA

From: T. P. Thayer, U.S.G.S.

Subject: DMEA 2461 Cobalt Mrs. F. A. Gourlie.
Prospect in the Slate Creek district, Washington.

Applicant proposes to drift, at a cost of $10,000, on a vein of cobalt ore said to range from 6 to 22 inches wide. No assays are given, and the discovery is said to be new.

The applicant should supply evidence that the vein is in fact cobaltiferous before the application is referred to the field, and should provide her own answer regarding rights of access.

If the vein is cobaltiferous, a field referral would be in order.

Copy retained 400

SEP 5 1952

Mrs. Florence A. Gourlie
P.O. Box 8
Winthrop, Washington

Re: Docket No. DMEA 2461 - Cobalt
Phenigan Claims
Slate Creek Mining District
Okanogan County, Washington

Dear Mrs. Gourlie:

Your application for exploration assistance and other information available to us in Washington have been carefully reviewed.

This information, while showing some mineralization on your property, shows little, if any, cobalt and indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Acting Administrator

TL/Chapman'lm
9/2/52

cc: Admn. Reading File
Docket
H. W. Davis, USBM
T. P. Thayer, USGS
Field Team Reg. II
Operating Committee
W. H. Martin
T. L. Chapman

Acting Administrator, DMEA Sept. 2, 1952

Iron and Ferro-Alloy Division, DMEA

Denial of exploration project in the amount of $10,000.00
Docket No. DMEA 2461 - Cobalt
Mrs. Florence A. Gourlie, Applicant
Ptomigan Mining Claims
Okanogan County, Washington

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

1. The rocks in this area are interbedded quartzite and argillite which have been intruded and metamorphosed by large masses of granite. Numerous veins occur in the area, several of which have been mined for gold and silver.

2. On this property a vein from 6 inches to 2 feet wide has been opened by a pit and a cut about 20 feet long. This vein showed pyrite, pyrrhotite, arsenopyrite and chalcocite with a little sphalerite and galena. These samples showed low values in copper, gold and silver with no cobalt.

3. The showings on this property indicate little probability of disclosing any mineable ore reserves and are not sufficiently promising to justify Government participation in the proposed exploration program.

4. The Field Team of Region II recommends denial. The Commodity Division of the U. S. Geological Survey concurs with this recommendation.

TLChapman:lm
9/3/52

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

cc: Admn. Reading File
Docket
W. S. Martin
T. L. Chapman

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Dmea 2461

So. 157 Howard Street
Spokane 4, Washington

September 12, 1952

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Dear Mrs. Gourlie:

I am returning herewith your letters to this office, and two from Glover to you.

Regarding the cobalt assays, the report "nil", might be interpreted as "trace", but at any rate the amount is too low to be of interest. There are probably several minerals which might carry as much as 0.05 percent cobalt, but to be of interest at least one of the minerals in a deposit should carry from 12 to 30 percent cobalt and the deposit should carry over 0.5 percent cobalt in bulk samples. These amounts are easily detected qualitatively by the borax bead test.

Regarding samples of uranium, thorium, pitchblende and carnotite, the first two, uranium and thorium are elements and I have never seen them. Pitchblende is a rare mineral of which I have no visible specimens; I do have one small piece of rock from Great Bear Lake which is radioactive, and so probably carries pitchblende, but it is not visible. Carnotite is somewhat commoner, at least down in the Colorado plateau, but I am sorry that I do not have any spare specimens. You might be able to obtain a specimen from someone down in Colorado, or from some mineral selling company such as Ward's (3000 Ridge Road East, Rochester 9, N.Y.), Schortmann's (6 & 10 McKinley Ave., Easthampton, Mass.), Minerals Unlimited (1724 University Ave., Berkley 3, Calif.), V. D. Hill (Route 7-C, Box 188, Salem, Oregon), E. M. Gunnell (3365 E. Kentucky Ave., Denver 9, Colo.). Some of these may be able also to supply you with specimens of pitchblende, but I imagine that the price is rather high. Of course the most essential equipment in prospecting for uranium deposits is a Geiger Counter. Good Luck,

Yours sincerely,

J. S. Vhay
Cobalt Commodity Geologist

cc: DMEA(2)
USBM(2)
Vhay

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

September 12, 1952

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Dear Mrs. Gourlie:

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Yours sincerely,

J. S. Vhay
Cobalt Commodity Geologist

cc: DMEA(2) ✓
USBM(2)
Vhay

FILE COPY
SURNAME:

Chapman
Martin
Davis
Lemmon
Hedges
Ellis

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

SEP 5 1952

Mrs. Florence A. Gourlie
P.O. Box 8
Winthrop, Washington

Re: Docket No. DMEA 2461 - Cobalt
Ptarigan Claims
Slate Creek Mining District
Okanogan County, Washington

Dear Mrs. Gourlie:

Your application for exploration assistance and other information available to us in Washington have been carefully reviewed.

This information, while showing some mineralization on your property, shows little, if any, cobalt and indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf (for) S.H. 9-5-52

Acting Administrator

TLChapman'lm
9/2/52

cc: Admn. Reading File
Docket
H. W. Davis, USBM
T. P. Thayer, USGS
Field Team Reg. II
Operating Committee
W. S. Martin
T. L. Chapman

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Acting Administrator, DMEA

DATE: Sept. 2, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of exploration project in the amount of $10,000.00
Docket No. DMEA 2461 - Cobalt
Mrs. Florence A. Gourlie, Applicant
Ptomigan Mining Claims
Okanogan County, Washington

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

1. The rocks in this area are interbedded quartzite and argillite which have been intruded and metamorphosed by large masses of granite. Numerous veins occur in the area, several of which have been mined for gold and silver.

2. On this property a vein from 6 inches to 2 feet wide has been opened by a pit and a cut about 20 feet long. This vein showed pyrite, pyrrhotite, arsenopyrite and chalcocite with a little sphalerite and galena. These samples showed low values in copper, gold and silver with no cobalt.

3. The showings on this property indicate little probability of disclosing any mineable ore reserves and are not sufficiently promising to justify Government participation in the proposed exploration program.

4. The Field Team of Region II recommends denial. The Commodity Division of the U. S. Geological Survey concurs with this recommendation.

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

FILE COPY 400
SURNAME:

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

Acting Administrator, DMEA

Sept. 2, 1952

Chapman
Martin
Davis
Lemmon

Iron and Ferro-Alloy Division, DMEA

Denial of exploration project in the amount of $10,000.00
Docket No. DMEA 2461 - Cobalt
Mrs. Florence A. Gourlie, Applicant
Ptomigan Mining Claims
Okanogan County, Washington

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

1. The rocks in this area are interbedded quartzite and argillite which have been intruded and metamorphosed by large masses of granite. Numerous veins occur in the area, several of which have been mined for gold and silver.

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3. The showings on this property indicate little probability of disclosing any mineable ore reserves and are not sufficiently promising to justify Government participation in the proposed exploration program.

4. The Field Team of Region II recommends denial. The Commodity Division of the U. S. Geological Survey concurs with this recommendation.

TLChapman'lm
9/3/52

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

cc: Admn. Reading File
Docket
W. S. Martin
T. L. Chapman

IN REPLY REFER TO:
G-MD-CF

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

August 22, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, USGS

Subject: Field Report DMEA 2461 - Cobalt
Gourlie property
Ptomigan claims
Okanogan County, Washington

This property was examined June 25, 1952 by J. S. Vhay of the Geological Survey. Vhay's report, dated August 4, shows that the exposures of the narrow sulfide vein contain no cobalt and only insignificant amounts of copper, gold and silver.

I concur with the recommendation that the application be denied.

D. M. Lemmon

Copy retained 400

50

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 18 1952

So. 157 Howard Street
Spokane 4, Washington

August 8, 1952

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

Re: Docket DMEA-2461, Cobalt
Gourlie Property
Okanogan County, Wash.

Dear Mr. Johnson:

We are transmitting herewith a memorandum report on the subject property made by Mr. John S. Vhay, the Cobalt Commodity Geologist, U. S. Geological Survey. Mr. Vhay examined the property on June 25 and collected a number of samples which have subsequently been analyzed. These analyses show a generally low content of copper, gold and silver and a complete lack of any cobalt, the commodity for which the application was submitted. On the basis of the fact that carefully selected samples of the vein material were found to contain no cobalt, the Field Team recommends that the application be denied.

By DMEA Field Team, Region II

Glenn A. Reed
for. M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

S. Warren Hobbs
S. Warren Hobbs, Acting Member
(U. S. Geological Survey)

Enclosure

cc: USBM (2)
J.S.Vhay

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8-18-52

REFERRED TO:

1. ~~Mr. Berry Rm 4634~~
2. ~~Mr Gray~~
3. ~~Harrison~~
4. CODE 400, RM. 3538

FOR:

---------- Action	---------- Recommendation
---------- Approval	---------- Record of ----------
---------- Comment	---------- Referring to ----------
---------- Conference	---------- Reply for signature of ----------
---------- Consideration	---------- Rewriting
---------- Filing	---------- Signature
---------- Instructions	---------- Suggestions
---------- Investigation	---------- Your information
---------- Initials	
---------- Mailing	
---------- Previous correspondence	

REMARKS: ~~Agenda 8/22.~~

Check (X) before the items needing attention.

Adams (AD)
Initials of sender.

GPO 16—63815-1

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

So. 157 Howard Street
Spokane 4, Washington

AUG 18 1952

August 4, 1952

Memorandum

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

From: John S. Vhay, Cobalt Commodity Geologist
U. S. Geological Survey

Subject: Examination of Gourlie property, Ptomigan claims, Okanogan County, Washington; application for Exploration Contract, Docket No. 2461, Cobalt

OWNER

Mrs. Florence A. Gourlie, Box 8, Winthrop, Washington, is the sole owner.

SUMMARY AND RECOMMENDATIONS

The only pit seen on this group of claims shows a vein 6 inches to 2 feet wide, striking N. 85° E., dipping 84° to 87° north, which carries pyrite, pyrrhotite, chalcopyrite, sphalerite, and arsenopyrite in a gangue of quartz and altered country rock. It carries no values in cobalt. It is recommended that no exploration contract to explore for cobalt be granted.

INTRODUCTION

J. E. Grant, Mrs. Florence A. Gourlie, her husband, L. A. Gourlie, and I examined the property the afternoon of June 25. I spent most of the next morning testing the material collected for cobalt, with completely negative results. Four separate samples of the different types of material in the vein and one composite sample were then assayed by a competent cobalt assayer. Results are given below.

Reviewed by
DMEA OPERATING COMMITTEE

8-22-52
(date)

NAME AND LOCATION OF PROPERTY

The Ptomigan (also spelled Pthomigan) property consists of the Ptomigan one, two, three, and four claims. It is located approximately in (unsurveyed) sec. 25, T. 38 N., R. 17 E., in the Slate Creek mining district, Okanogan County, Washington. It is near the headwaters of the West Fork of Pasayten Creek about three quarters of a mile north-northeast of Windy Pass.

According to the applicant, the property is 70 miles from the railroad (probably at Pateros) and 35 miles from a supply point (probably Winthrop). The property can be reached by taking a good gravel road from Winthrop to about 10 miles past Mazama, then a fair graded road 9 miles to Harts Pass, then an extremely poor dirt road with steep grade 5 miles to Windy Pass, whence a trail, once used by bulldozer, goes past the discovery pit, about a mile down hill. Windy Pass has an altitude of 6,262 feet, the pit is at an altitude of about 5,500 feet.

GEOLOGY

The only part of the property shown to us was the discovery pit. This is located on the trail at an altitude of about 5,500 (by aneroid) in an area of dense vegetative cover consisting of large conifers and dense brush.

The rocks in the general neighborhood are interbedded quartzite and argillite, invaded and considerably metamorphosed by large masses of granitic rocks. There are numerous veins in the area south of Windy Pass, several of which have been mined for gold and silver.

At the discovery pit a cut has been driven about 20 feet in on the vein, which cuts northerly dipping siliceous argillite. The vein strikes N. 85° E. and dips 84° to 87° north. As exposed, it is from 6 inches to 2 feet wide and consists of sulfides in a gangue of quartz and altered country rock. The identified sulfides are pyrite, marcasite (?), pyrrhotite, arsenopyrite, a little chalcopyrite and sooty chalcocite (?), some sphalerite and a few specks of galena. The arsenopyrite is much fractured, and presumably the oldest introduced sulfide; the pyrite appears to be colloform, with bands of marcasite. The chalcopyrite, sphalerite, and galena occur in small veinlets.

Samples were taken from the dump of the cut of different types of material. Assay results are shown below.

Sample No.	Cobalt Percent	Copper Percent	Gold Oz/T	Silver Oz/T	Lead Percent	Zinc Percent
52V8	Nil	0.25	0.04	0.94		
52V9	Nil	0.40	0.05	0.23		
52V10	Nil	0.66	0.07	0.16		
52V11	Nil	0.28	0.04	0.78		
52V12 (Composite)	Nil	0.43	0.05	0.20	Nil	1.40

RECOMMENDATIONS

As there is no cobalt in the deposit, it is recommended that no exploration contract to explore for cobalt be granted.

John S. Vhay
Cobalt Commodity Geologist

cc: DMEA (Orig. & 3)
USBM (1)
USGS (SRO)
J.S.Vhay

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

118

So. 151 Howard Street
Spokane 4, Washington

August 8, 1952

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

Re: Docket MMA-3461, Cobalt
Carlie Property
Okanogan County, Wash.

Dear Mr. Johnson:

We are transmitting herewith a memorandum report on the subject property made by Mr. John S. Vhay, the Cobalt Commodity Geologist, U. S. Geological Survey. Mr. Vhay examined the property on June 25 and collected a number of samples which have subsequently been analyzed. These analyses show a generally low content of copper, gold and silver and a complete lack of any cobalt, the commodity for which the application was submitted. On the basis of the fact that carefully collected samples of the vein material were found to contain no cobalt, the Field Team recommends that the application be denied.

By DMA Field Team, Region II

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

D. Warren Hood, Acting Member
(U. S. Geological Survey)

Enclosure

cc: DMM (2)
J.S.Vhay

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8-18-52

REFERRED TO:

1. Code 400-Rm. 3538
2. ____
3. ____
4. ____

FOR:

____ Action	____ Recommendation
____ Approval	____ Record of ____
____ Comment	____ Referring to ____
____ Conference	____ Reply for signature of ____
____ Consideration	____ Rewriting
____ Filing	____ Signature
____ Instructions	____ Suggestions
____ Investigation	____ Your information
____ Initials	
____ Mailing	
____ Previous correspondence	

REMARKS: ____

Check (X) before the items needing attention.

Adams (AA)
Initials of sender

GPO 16—63815-1

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

18

So. 157 Howard Street
Spokane 4, Washington

August 4, 1952

Memorandum

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

From: John S. Vhay, Cobalt Commodity Geologist
U. S. Geological Survey

Subject: Examination of Gourlie property, Ptomigan claims, Okanogan County, Washington; application for Exploration Contract, Docket No. 2461, Cobalt

OWNER

Mrs. Florence A. Gourlie, Box 8, Winthrop, Washington, is the sole owner.

SUMMARY AND RECOMMENDATIONS

The only pit seen on this group of claims shows a vein 6 inches to 2 feet wide, striking N. 85° E., dipping 84° to 87° north, which carries pyrite, pyrrhotite, chalcopyrite, sphalerite, and arsenopyrite in a gangue of quartz and altered country rock. It carries no values in cobalt. It is recommended that no exploration contract to explore for cobalt be granted.

INTRODUCTION

J. E. Grant, Mrs. Florence A. Gourlie, her husband, L. A. Gourlie, and I examined the property the afternoon of June 25. I spent most of the next morning testing the material collected for cobalt, with completely negative results. Four separate samples of the different types of material in the vein and one composite sample were then assayed by a competent cobalt assayer. Results are given below.

NAME AND LOCATION OF PROPERTY

The Ptomigan (also spelled Pthomigan) property consists of the Ptomigan one, two, three, and four claims. It is located approximately in (unsurveyed) sec. 25, T. 38 N., R. 17 E., in the Slate Creek mining district, Okanogan County, Washington. It is near the headwaters of the West Fork of Pasayten Creek about three quarters of a mile north-northeast of Windy Pass.

According to the applicant, the property is 70 miles from the railroad (probably at Pateros) and 35 miles from a supply point (probably Winthrop). The property can be reached by taking a good gravel road from Winthrop to about 10 miles past Mazama, then a fair graded road 9 miles to Harts Pass, then an extremely poor dirt road with steep grade 3 miles to Windy Pass, whence a trail, once used by bulldozer, goes past the discovery pit, about a mile down hill. Windy Pass has an altitude of 6,262 feet, the pit is at an altitude of about 5,500 feet.

GEOLOGY

The only part of the property shown to us was the discovery pit. This is located on the trail at an altitude of about 5,500 (by aneroid) in an area of dense vegetative cover consisting of large conifers and dense brush.

The rocks in the general neighborhood are interbedded quartzite and argillite, invaded and considerably metamorphosed by large masses of granitic rocks. There are numerous veins in the area south of Windy Pass, several of which have been mined for gold and silver.

At the discovery pit a cut has been driven about 20 feet in on the vein, which cuts northerly dipping siliceous argillite. The vein strikes N. 85° E. and dips 84° to 87° north. As exposed, it is from 6 inches to 2 feet wide and consists of sulfides in a gangue of quartz and altered country rock. The identified sulfides are pyrite, marcasite (?), pyrrhotite, arsenopyrite, a little chalcopyrite and sooty chalcocite (?), some sphalerite and a few specks of galena. The arsenopyrite is much fractured, and presumably the oldest introduced sulfide; the pyrite appears to be colloform, with bands of marcasite. The chalcopyrite, sphalerite, and galena occur in small veinlets.

Samples were taken from the dump of the cut of different types of material. Assay results are shown below.

Sample No.	Cobalt Percent	Copper Percent	Gold Oz/T	Silver Oz/T	Lead Percent	Zinc Percent
52V8	Nil	0.25	0.04	0.94		
52V9	Nil	0.40	0.05	0.25		
52V10	Nil	0.66	0.07	0.16		
52V11	Nil	0.28	0.04	0.78		
52V12 (Composite)	Nil	0.45	0.05	0.20	Nil	1.40

RECOMMENDATIONS

As there is no cobalt in the deposit, it is recommended that no exploration contract to explore for cobalt be granted.

John S. Vhay
Cobalt Commodity Geologist

cc: DMEA (Orig. & 3)
USBM (1)
USGS (SRO)
J.S.Vhay

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

GCL
6/24/52

June 19, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 23 1952

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

Re: Docket No. DMEA-2461, Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mr. Johnson:

In reply to your letter of June 16 on the subject docket, this is to advise you that Mr. J. S. Vhay of the U. S. Geological Survey has been in contact with Mrs. Gourlie and has arranged to examine the property on June 24. At that time Mr. Vhay will attempt to work out a feasible proposal with Mrs. Gourlie if such seems justified by the geologic facts.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM

FILE COPY
SURNAME:

Selfridge

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

JUN 16 1952

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

Re: Docket No. DMEA 2461 - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mr. Weissenborn:

On March 28, 1952, your office forwarded to Washington three copies of the subject application and noted that one copy had been retained in order that a field examination might be made at the earliest possible date.

The commodity divisions recommended that further information be secured from the applicant before possibly making a field examination request. For your information I am forwarding herewith a copy of a letter from the applicant in which it can be noted that no more information is forthcoming. Will you study the matter and, if you deem it advisable, please arrange for an examination of the property since it is reported as a new discovery.

If an exploration project is warranted, please advise the applicant in what manner an amended application should be submitted. Attention of the applicant should be called to the fact that she will have to provide sufficient funds to finance the project for at least the first two months.

Sincerely yours,

(signed) FRANK E. JOHNSON (GB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

D.N. 6-16-52

Enclosure

GCSelfridge:ls 6/13/52

Approved:

C. H. Johnson (GB)
Member, Bureau of Mines

A. M. Lemmon (GB)
Member, Geological Survey

cc: Docket
Admn. Read. File
Field Team, Reg. 2
G. C. Selfridge
Operating Committee
H. W. Davis, USBM
T. P. Thayer, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

13771

REFERENCE SLIP

REFERRED TO: JAB

DATE 6/13/52

1. ~~Operating Comm.~~
2. 4624
3.
4. ~~Mailed Tele 45-39~~ Code 400 - 3538

FOR:

- .....Action
- .....Approval
- .....Comment
- .....Conference
- .....Consideration
- .....Filing
- .....Instructions
- .....Investigation
- .....Initials
- ✓ Mailing
- .....Previous correspondence
- .....Recommendation
- .....Record of.....
- .....Referring to.....
- .....Ready for signature of.....
- .....Rewriting
- ✓ Signature
- .....Suggestions
- .....Your informtion

REMARKS: [illegible]

Check (X) before the items needing attention.

George C. Selfridge
Initial of sender

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

Re; Docket No DMEA 2461X - Cobalt
Slate Creek Mining District
Okanogan Co. Washington

Defense Minerals Exploration
Administration

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1952

Dear Sirs:-

I received your letter of April 22nd also one on June 2nd, stating you would like more information on my claims as to location and detailed costs of work, and also facts as you say that lead to believe I well encounter more commercial ore, as to regards to these questions I complitly filled out your forms, also drew you maps of the property and near district. I also enclosed letters that stated the ore was as I described it to you.

The maps you will see describes everything I know of I can tell you, This district is unsurvey territory as I stated before, They are four full claims each contain 20 acres. The dip of the vein is to the North at a 90 degrees pitch.

They are all on record at Okanogan, Wash. If you will kindly state just what it is of further information I can give you, I will gladly do so.

As to the Forestry Road Permit, I have talked

to them at Okanogan and can get it at any time.

Now as to a amended application I don't see what difference that can make to the first one It seems I have told you everything that can be told about it.

I'm sorry to the delay in writing you but I was waiting for the road to be opened to that district so the engineers could scedule a field examination of the property.

In regards to samples I thot it customary for them to get or pick their own samples.

Am expecting your engineers to look over the property in the very near future.

I have kept a duplicate copy of all the forms filled out and sent you. If you should need to refer to any question on either of the forms, I can refer to them here.

Thanking You Kindly.

Mrs Florence A Gourlie
Winthrop Wash
Box 8.

FILE COPY
SURNAME:

Selfridge

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

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Re: Docket No. DMEA 2461X - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mrs. Gourlie:

On April 22, 1952, we wrote you requesting additional information with regard to your application for assistance to explore your Slate Creek Mining District property. To date we have not had an answer to our letter. We would like to continue processing the application but cannot do so until we hear from you.

We wish to cooperate in the matter of allowing ample time but if the needed information has not been received by July 15, 1952, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge:ls 5/28/52

Copy to: Docket
Admn. Reading File
Field Team, Region 2
G. C. Selfridge
H. W. Davis, USBM
T. P. Thayer, USGS

400

FILE COPY
SURNAME:

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

Selfridge
Mott

APR 22 1952

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Re: DMEA 2461X - Cobalt
Slate Creek Mining District
Okanogan County, Washington

Dear Mrs. Gourlie:

Your application for aid for an exploration project on the above-noted property has been received.

The information given is very meagre and is insufficient for us to proceed further with your application.

We suggest that you prepare an amended application showing the claim lines, the position of the vein, the location and detailed costs of the proposed work, and all other facts which lead you to believe that the proposed work will encounter commercial ore. We particularly desire several samples from representative ore exposures whose cobalt contents have been determined by a reputable assayer.

Our information is that "Primitive Areas" are restricted as to roads. Therefore, you should obtain an access permit from the Forest Service and enclose a copy with your amended application.

Your application will be held in abeyance until receipt of the above-requested information.

Sincerely yours, cc

SIGNED 4/22

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

QDBrewer:ls
4/18/52

cc: Admn. Reading File
~~Docket~~
Field Team, Region 2
G. C. Selfridge

cc: T. P. Thayer, USGS
H.W. Davis, USBM

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

April 17, 1952

Memorandum

To: George R. Selfridge, Defense Minerals Exploration Admin.

From: H. W. Davis, Bureau of Mines

Subject: DMEA-2461 - Mrs. Florence A. Gourlie, Winthrop, Wash., March 18, 1952. Cobalt. $10,000

Applicant states that she intends to drive tunnel on vein of ore that contains sulfide of cobalt and requests loan of $10,000, which she believes would be sufficient to determine whether or not cobalt occurs in minable quantity.

Inasmuch as the applicant has submitted insufficient evidence to indicate the presence of cobalt on her property, it is recommended that the application be referred to the Field Team for general information and comments and, if the Field Team deems necessary, a field investigation be made.

H. W. Davis

H. W. Davis

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 18 1952

Copy retained 400

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

April 17, 1952

Memorandum

To: George K. Selfridge, Defense Minerals Exploration Admin.

From: H. W. Davis, Bureau of Mines

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H. W. Davis

FILE COPY
Surname:

Davis
Mulcay

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

April 17, 1952

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H. W. Davis

HWDavis:cb

Copy to: Ferrous Metals
H. W. Davis
Files

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2461

Date received 3-31-52

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Name and address of applicant

Date March 18, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

FORM MF - 100

1. (a) Cobalt, - gold, silver, lead.

   (b) Sulphur, arsenic.

2. (a) None.
   (b) None.
   (c) Thirty (30) feet of tunnel.
   (d) Two open cuts fifteen (15) feet long and five (5) feet deep. Mine is not flooded, no pumping problems.

3. (a) Thurty-five miles southerly direction to nearest town, or seventy miles to shipping point or railroad.
   (b) Slate Creek Mining District.
   (c) Unsurveyed territory.
   (d) Okanagan County, State of Washington.

4. (a) No it is not in operation, only to do my assessment work each year.
   (b) Operating as owner.

5. Has not been in production. I can not answer this.

6. (a) I have been around mines and mining for twenty-five years, also prospected a lot, ~~also~~. I know most of the minerals by sight.

   (b) My husband (Mr. L. A. Gourlie) will manage the project. He has had forty years experience mining, prospecting, some milling, and has been foreman in several large mines. He was born in Colorado, near Cripple Creek, his father superintended mines there.

7. (a) This is just a new discovery.
   (b) The Slate Creek Mining property. This property ships ore each year. They have a fifty ton mill on property. This property is about two miles from this discovery. There is also the Mammoth mine, the Golden Arrow mine shipped ore last year. There are several other mines in the district that are not producing at the present time.
   (c) I had an Engineer, a Mr. Lindsy from one of the other mines. He was very well pleased with our indications of a mine.

8. (a) I am the sole owner and not incorporated.

9. No stock.

10. None

11. Can not answer.

Mrs. Florence Gourlie
Box 8
Winthrop, Wash.,

12. (a) This is a heavy grey mineral and is called sulphide of cobalt. The width of the vein varies from twenty-two (22) inches to six (6) inches. At present I'm only at a depth of fifteen (15) feet on the ore deposit. The vein has a ninty (90) degree dip.
(b) Can not answer.
(c) Can not answer.

13. Road distance is seventy (70) miles to railroad, thirty-five miles to supply point. Road is a Forestry Road for seventeen miles, State Highway road the rest of way. The Forestry Road is very poor.

14. Sufficient water supply for all mining and milling purposes.

15. Only power will be from compressor.

16. My husband (Mr. L. A. Gourlie) and son (Melvin R. Gourlie).

17. None

18. I have owned this property for several years. It is a mile and one-half in a primitive area. There is an abandoned caterpillar road that goes through the property. Will I have to have permission to re-open this road, so it's possible to haul equipment and ore over it?

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Mrs Florence A Gourlie owner
(Name of ~~company~~)

By [signature]
(Signature of authorized official)

March 17 1952
(Date)

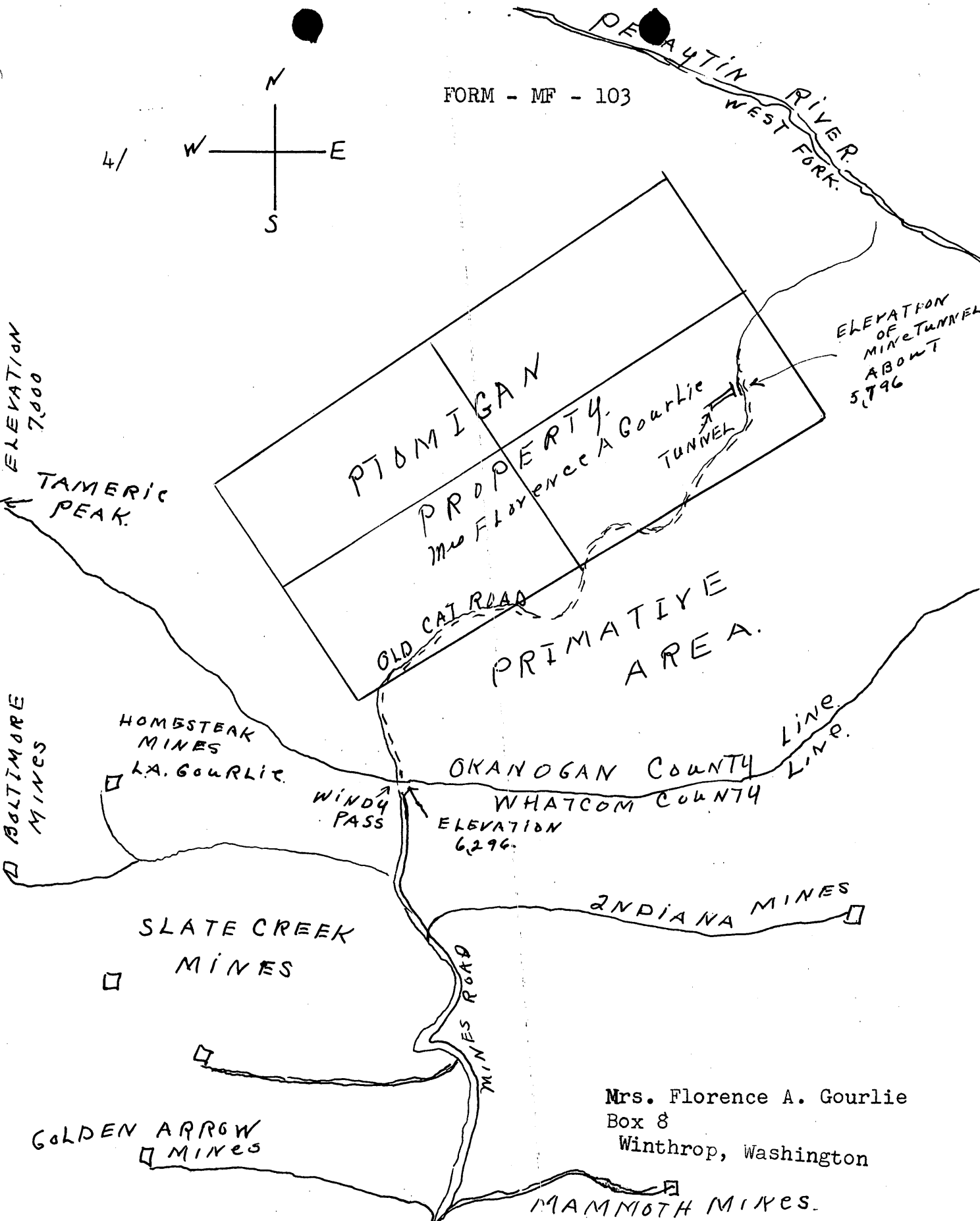
(Title)

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

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

FORM - MF - 103

4/



Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2461
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Name and address of applicant

Date March 18, 1952

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

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

INSTRUCTIONS

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

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

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

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

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

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

DEPARTMENT OF THE INTERIOR
MAR 31 1952

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Mrs Florence A. Gourley owner
(Name of ~~company~~)

By _____
(Signature of authorized official)

March 17 1952
(Date)

_____
(Title)

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

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

FORM - MF - 103

1. (a) I have four unpatented mining claims in this group, which has enough timber and water for mining purposes.

   (b) I am the sole owner of this property.

   (c) I have four mineral claims called the Pthomigan one, two, three and four in this group situated in the Slate Creek Mining district in Okanogan County, unsurveyed territory. It's situated about a mile and one-half northerly from Windy Pass.

      (1) Both areas are the same.
      (2) I am the owner and there is no liens or incumbrance against the property.

2. (a) Cobalt.

   (b) Am enclosing letters from Department of Conservation and Development, Olympia, Washington. Please return these letters.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

3. (a) I intend to drive tunnel on vein of ore that contains sulphide of cobalt, also about seven days to build a short road to property. I think $10,000.00 would determine whether it occurs in minable amounts or not.

(b) I would like to start work by the first of June, 1952. and complete it by September 30, 1953.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF- 103

5. There is no buildings on this property at present.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

6. Would need a small storehouse for compressor costing about $100.00.

Mrs. Florence A. Gourlie
Box 8
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FORM - MF- 103

7. (a) No.
(b) Purchased:

1 portable compressor	Engersol Rand	$2,000.00
1 drifter machine and bar		600.00
2 sets of three ppieces each machine steel temkin bits		400.00
1 mining car and track		300.00
pipe, 2 inch galvanised		50.00
air hose and water hose		50.00
lumber for compressor house		200.00

These prices are just estimated on second hand equipment.

(c) No.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

8. One mucker.
My husband will do the mining and supervising.

$12.00 for eight hour day work for mucker.
$16.00 for eight hour day work for miner and supervisor.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF- 103

9.

Blasting powder	50 lbs. per box	$22.00
Blasting caps box of 100 at		4.00
Blasting fuse 100 feet per roll of 100 ft		3.00
Gasoline 50 gallons per drum		17.00
Engine oil qt. cans		.40
Miscellaneous		50.00

These prices are just estimated at the present time.
For hauling equipment to mine $200.00.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

10. (a) I will invest $500.00 cash and $500.00 from L. A. Gourlie's wages (my husband).

(b) Yes, this is a sufficient amount t o pay our part.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

11. I would start work in June and work through the summer months as long as the weather in that district will permit it.

As for our living quarters we shall stay on Mr. Gourlie's (my husband) property as he has a cabin there at Windy Pass.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

IN REPLY REFER TO:

G-MD-TPT

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

April 7, 1952

Memorandum

To: G. C. Selfridge, DMEA

From: T. P. Thayer, U.S.G.S. Thayer

Subject: DMEA 2461 Cobalt Mrs. F. A. Gourlie.
Prospect in the Slate Creek district, Washington.

Applicant proposes to drift, at a cost of $10,000, on a vein of cobalt ore said to range from 6 to 22 inches wide. No assays are given, and the discovery is said to be new.

The applicant should supply evidence that the vein is in fact cobaltiferous before the applicant's is referred to the field, and should provide her own answer regarding rights of access.

If the vein is cobaltiferous, a field referral would be in order.

Copy retained 400

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C-MD-TPT

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

April 7, 1952

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Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2461

Date received 3-31-52

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Name and address of applicant

Date March 18, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

FORM MF - 100

1. (a) Cobalt, - gold, silver, lead.

   (b) Sulphur, arsenic.

2. (a) None.
   (b) None.
   (c) Thirty (30) feet of tunnel.
   (d) Two open cuts fifteen (15) feet long and five (5) feet deep. Mine is not flooded, no pumping problems.

3. (a) Thurty-five miles southerly direction to nearest town, or seventy miles to shipping point or railroad.
   (b) Slate Creek Mining District.
   (c) Unsurveyed territory.
   (d) Okanagan County, State of Washington.

4. (a) No it is not in operation, only to do my assessment work each year.
   (b) Operating as owner.

5. Has not been in production. I can not answer this.

6. (a) I have been around mines and mining for twenty-five years, also prospected a lot. ~~also~~. I know most of the minerals by sight.

   (b) My husband (Mr. L. A. Gourlie) will manage the project. He has had forty years experience mining, prospecting, some milling, and has been foreman in several large mines. He was born in Colorado, near Cripple Creek, his father superintended mines there.

7. (a) This is just a new discovery.
   (b) The Slate Creek Mining property. This property ships ore each year. They have a fifty ton mill on property. This property is about two miles from this discovery. There is also the Mammoth mine, the Golden Arrow mine shipped ore last year. There are several other mines in the district that are not producing at the present time.
   (c) I had an Engineer, a Mr. Lindsy from one of the other mines. He was very well pleased with our indications of a mine.

8. (a) I am the sole owner and not incorporated.

9. No stock.

10. None

11. Can not answer.

Mrs. Florence Gourlie
Box 8
Winthrop, Wash.,

FORM MF - 100 - Continued--

12. (a) This is a heavy grey mineral and is called sulphide of cobalt. The width of the vein varies from twenty-two (22) inches to six (6) inches. At present I'm only at a depth of fifteen (15) feet on the ore deposit. The vein has a ninety (90) degree dip.
    (b) Can not answer.
    (c) Can not answer.

13. Road distance is seventy (70) miles to railroad, thirty-five miles to supply point. This is a Forestry road for seventeen miles, State Highway road the rest of the way. The Forestry Road is very poor.

14. Sufficient water supply for all mining and milling purposes.

15. Only power will be from compressor.

16. My husband (Mr. L. A. Gourlie) and son (Melvin R. Gourlie).

17. None

18. I have owned this property for several years. It is a mile and one-half in a primitive area. There is an abandoned caterpillar road that goes through the property. Will I have to have permission to re-open this road, so it's possible to haul equipment and ore over it?

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Mrs Florence A Gourlie owner
(Name of ~~company~~)

By _____
(Signature of authorized official)

March 17 1952
(Date)

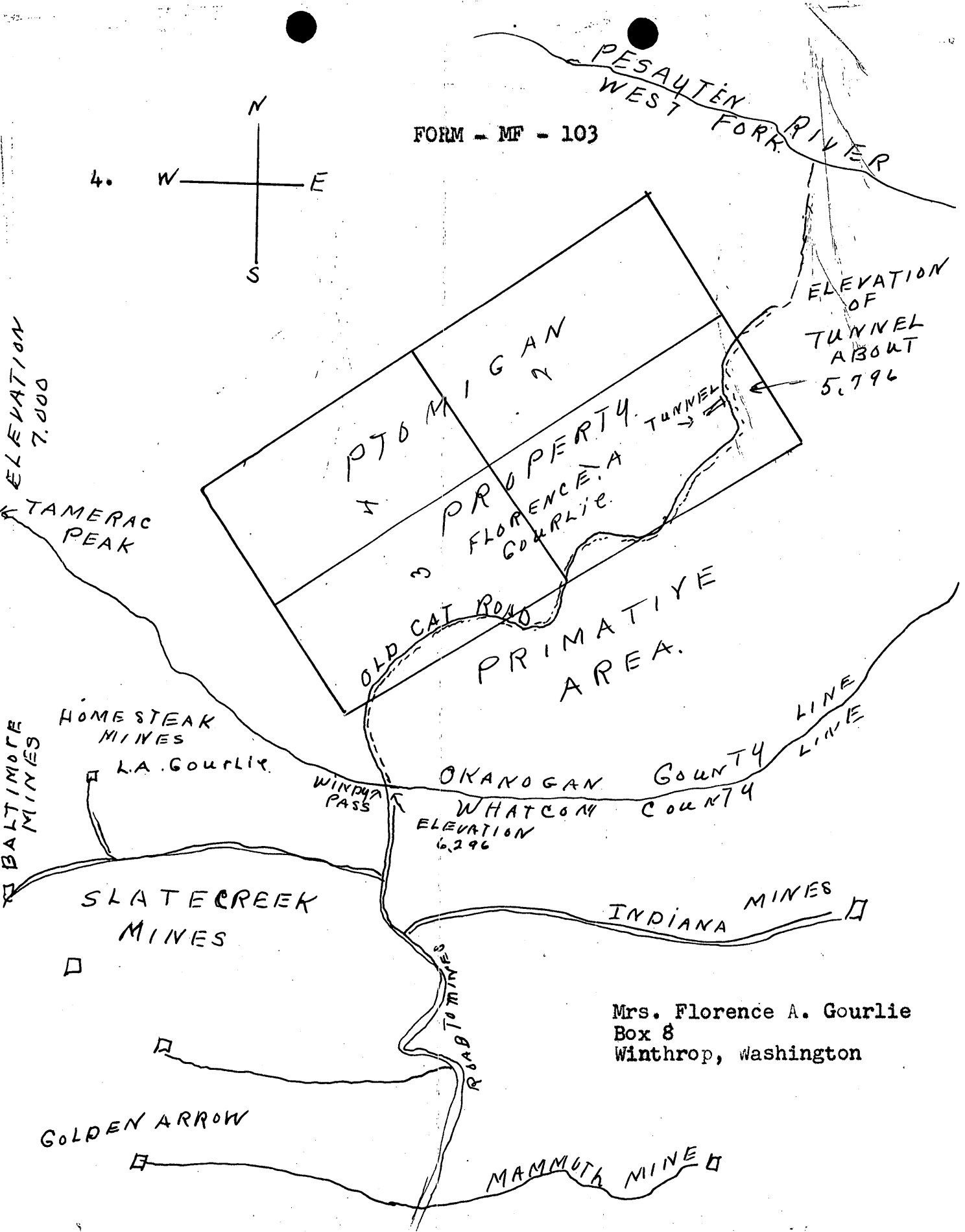
_____
(Title)

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

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

FORM - MF - 103

4.



Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2461
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Name and address of applicant

Date March 18, 1952

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

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

INSTRUCTIONS

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

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

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

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Mrs Florence A Gourley owner
(Name of ~~company~~)

By _____
(Signature of authorized official)

March 17 1952
(Date)

_____
(Title)

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

FORM - MF- 103

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      (2) I am the owner and there is no liens or incumbrance against the property.

2. (a) Cobalt.

   (b) Am enclosing letters from Department of Conservation and Development, Olympia, Washington. Please return these letters.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

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Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF - 103

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Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF- 103

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Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF _ 103

7/ a(No)

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Winthrop, Washington

FORM - MF - 103

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FORM - MF- 103

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FORM -MF- 103

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FORM - MF- 103

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As for our living quarters we shall stay on Mr. Gourlie's (my husband) property as he has a cabin there at Windy Pass.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

EXPLORATION

Subject: DMEA-2461
Re: Exploration Loan
April 1, 1952

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

My dear Mrs. Gourlie:

This will acknowledge receipt of your application dated March 18, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2461 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-2461 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

DMEA-2461

OFFICE OF THE ADMINISTRATOR

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

So. 157 Howard Street
Spokane 4, Washington

March 28, 1952

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

Dear Sir:

Enclosed are three copies of Forms MF-100 and MF-103 submitted by Mrs. Florence Gourlie for a cobalt property in Okanogan County, Washington.

One copy of the application has been retained by this office in order that a field examination may be made at the earliest possible date.

Sincerely yours,

K H Gray

Kathryn Gray
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

DMEA-2461

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

No. 157 Howard Street
Spokane 1, Washington

March 20, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 31 1952

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

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Kathryn Gray
for: A. J. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2461
Metal or Mineral
Date Received 3-31-52
Amount $
Participation (Government %)

Name and address of applicant

Mrs. Florence Gourlie
Box 8
Winthrop, Washington

Date March 18, 1952

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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MAR 31 1952

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Mrs Florence A. Gourlie owner
(Name of ~~company~~)

By _____
(Signature of authorized official)

March 17 1952
(Date)

_____
(Title)

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

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

FORM - MF- 103

1. (a) I have four unpatented mining claims in this group, which has enough timber and water for mining purposes.

   (b) I am the sole owner of this property.

   (c) I have four mineral claims called the Pthomigan one, two, three and four in this group situated in the Slate Creek Mining district in Okanogan County, unsurveyed territory. It's situated about a mile and one-half northerly from Windy Pass.

      (1) Both areas are the same.

      (2) I am the owner and there is no liens or incumbrance against the property.

2. (a) Cobalt.

   (b) Am enclosing letters from Department of Conservation and Development, Olympia, Washington. Please return these letters.

Where? not enclosed

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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3. (a) I intend to drive tunnel on vein of ore that contains sulphide of cobalt, also about seven days to build a short road to property. I think $10,000.00 would determine whether it occurs in minable amounts or not.

(b) I would like to start work by the first of June, 1952, and complete it by September 30, 1953.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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5. There is no buildings on this property at present.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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6. Would need a small store house for compressor costing about $100.00.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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7/ a(No)

(b) Purchased:

1 portable compressor Engersol Rand	$2,000.00
1 drifter machine and bar	600.00
2 sets of three pieces each machine steel temkin bits	400.00
1 mining car and track	300.00
pipe, 2 inch galvanized	50.00
air hose and water hose	50.00
lumber for compressor house	200.00

These prices are just estimated on second hand equipment.

(c) No.

Mrs. Florence L. Gourlie
Box 8
Winthrop, Washington

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8. One mucker.
My husband will do the mining and supervising.
$12.00 for eight hour day work for mucker.
$16.00 for eight hour day work for miner and supervisor.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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9. Blasting Powder 50 lbs., per box $22.00
Blasting caps box of 100 at 4.00
Blasting fuse 100 feet per roll of 100 ft.- 3.00
Gasoli ne 50 gallons per drum 17.00
Engine oil qt. cans .40
Miscellaneous 50.00

These prices are just estimated at the present time.
For hauling equipment to mine $200.00.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

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10. (a) I will invest $500.00 cash and $500.00 from L. A. Gourlie's wages (my husband).

(b) Yes, this is a sufficient amount to pay our part.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

FORM - MF- 103

11. I would start work in June & work through the summer months as long as the weather in that district will permit it.
As for our living quarters we shall stay on Mr. Gourlie's (my husband) property as he has a cabin there at Windy Pass.

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2461

Date received 3-31-52

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

Name and address of applicant

Date March 18, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

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5. Number of years in production _____

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

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

FORM MF -100

1. (a) Cobalt, - gold, silver, lead.
   (b) Sulphur, arsenic.

2. (a) None.
   (b) None.
   (c) Thirty (30) feet of tunnel.
   (d) Two open cuts fifteen (15) feet long and five (5) feet deep. Mine is not flooded, no pumping problems.

3. (a) Thirty-five miles southerly direction to nearest town, or seventy miles to shipping point or railroad.
   (b) Slate Creek Mining District.
   (c) Unsurveyed territory.
   (d) Okanogan County, State of Washington.

4. (a) No it is not in operation, only to do my assessment work each year.
   (b) Operating as owner.

5. Has not been in production. I Can not answer this.

6. (a) I have been around mines and mining for twenty-five years, also prospected a lot, also, I know most of the minerals by sight.
   (b) My husband (Mr. L. A. Gourlie) will manage the project. He has had forty years experience mining, prospecting, some milling, and has been foreman in several large mines. He was born in Colorado, near Cripple Creek, his father superintended mines there.

7. (a) This is just a new discovery.
   (b) The Slate Creek Mining property. This property ships ore each year. They have a fifty ton mill on property. This property is about two miles from this discovery. There is also the Mammoth mine, the Golden Arrow mine shipped ore last year. There are several other mines in the district that are not producing at the present time.
   (c) I had an Engineer, a Mr. Lindsy from one of the other mines. He was very well pleased with our indications of a mine.

8. (a) I am the sole owner and not incorporated.

9. No stock

10. None.

11. Can not answer

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

12. (a) This is a heavy grey mineral and is called sulphide of cobalt. The width of the vein varies from twenty-two (22) inches to six (6) inches. At present I'm only at a depth of fifteen (15) feet on the ore deposit. The vein has a ninty (90) degree dip.
    (b) Can not answer.
    (c) Can not answer.

13. Road distance is seventy (70) miles to railroad, thirty-five miles to supply point. Road is a Forestry Road for seventeen miles, State Highway road the rest of way. The Forestry Road is very poor.

14. Sufficient water supply for all mining and milling purposes.

15. Only power will be from compressor.

16. My husband (Mr. L. A. Gourlie) and son (Melvin R. Gourlie).

17. None

18. I have owned this property for several years. It is a mile and one-half in a primitive area. There is an abandoned caterpillar road that goes through the property. Will I have to have permission to re-open this road, so it's possible to haul equipment and ore over it?

Mrs. Florence A. Gourlie
Box 8
Winthrop, Washington

(*b*) If deposit is other than pla

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

MRS Florence A Gourlie owner
(Name of ~~company~~)

By _____
(Signature of authorized official)

MAY 17 1951
(Date)

_____
(Title)

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

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

GEOLOGICAL SURVEY

Joplin, Missouri

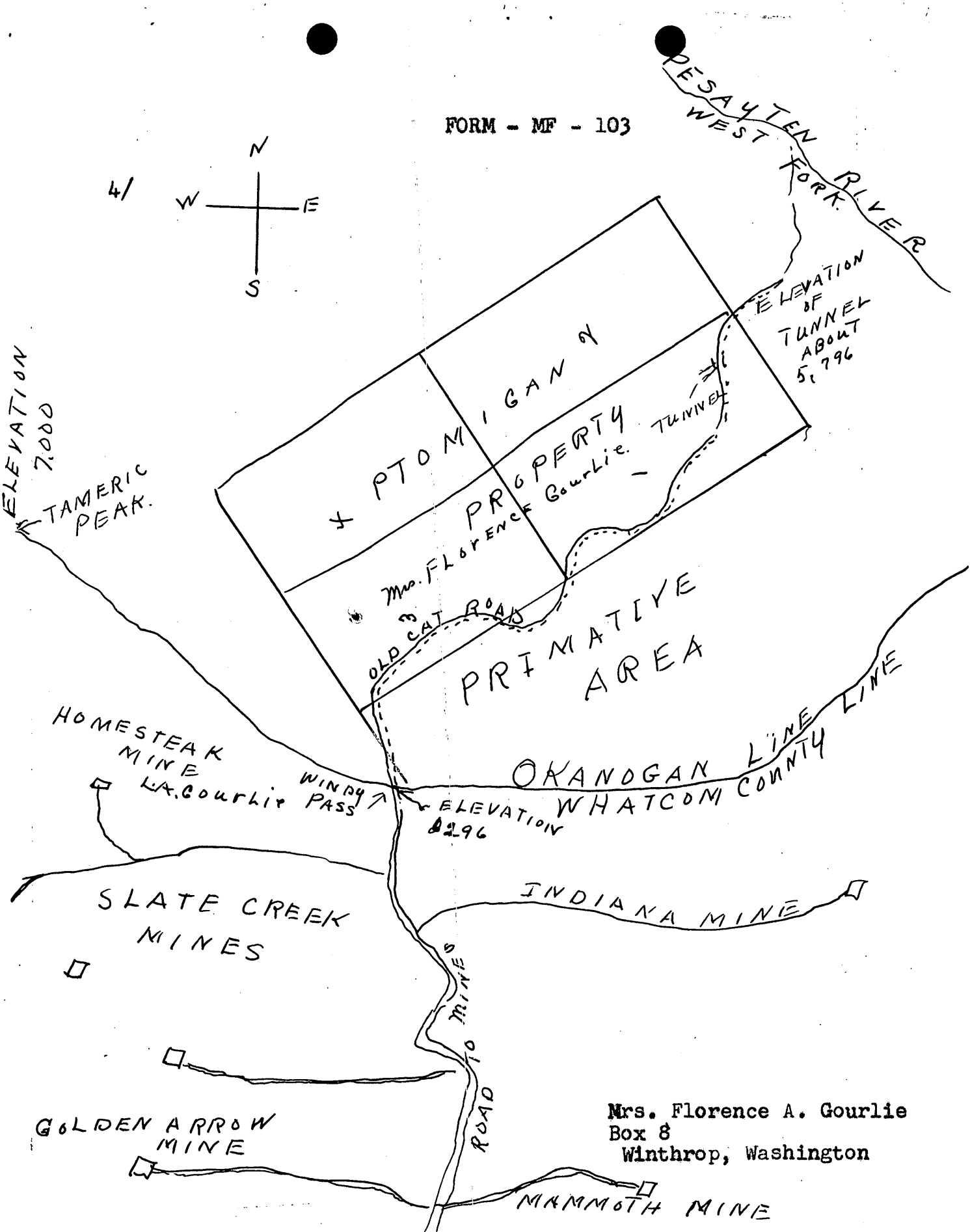
OFFICIAL BUSINESS

5 PM
1952
MO.

JOPLIN
MAR 28
5 PM
1952
MO.

Mr. C. O. Mittendorf
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

FORM - MF - 103



Mrs. Florence A. Gourlie
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