IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4605

Application (Denied ✓
(~~Withdrawn~~
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

ADDITIONAL APPLICATION PAPERS

GAIL A. MARTIN, ROUTE 1, Box 545
Alderwood Manor, Washington

"Exhibit A"

STATE OF WASHINGTON
OFFICE OF
COMMISSIONER OF PUBLIC LANDS

MINERAL PROSPECTING LEASE

THIS INDENTURE, Made this 30th *day of* July *, 19* 56*, by and between the State of Washington as lessor and* GAIL MARTIN *as lessee*

WITNESSETH, That the State of Washington, for and in consideration of the sum of Five and no/100 ($5.00) *Dollars, which has been paid by the lessee does hereby lease, demise, and let unto said lessee* her *heirs, successors and assigns, the following described* Forest Board *land, situate in said state, county of* Snohomish *, and particularly described as follows, to-wit:*

Lot 4, Section 2, Township 27 North, Range 9 East, W.M., containing 34.80 acres, more or less, according to the government survey thereof.

The State acquired the above described property by deed from Snohomish County for reforestation purposes. The Board cannot guarantee that the mineral rights in the land were acquired by the State through the terms of said deed.

This form is prepared for use in the Department of Public Lands, and wherever the title "Commissioner of Public Lands" appears, it is intended to designate the "State Forest Board," of which the Commissioner of Public Lands is Secretary.

The lessee will be required to perform work or make improvements upon the leased premises to an amount of not less than fifty dollars ($50.00) for each forty (40) acres included in said lease and will file with the Commissioner of Public Lands an affidavit of the performance of such work when application is made for a renewal of any mineral prospecting lease as provided by law.

TO HAVE AND TO HOLD unto the use of the said party of the second part for the term of two (2) years from the date hereof for the purpose of prospecting for and developing any minerals, except coal, oil and natural gas, that may be found upon said premises, and for no other purpose, and subject to the terms and conditions hereinafter set out.

~~*The lessee may cut and use the timber on said premises necessary for fuel and in the construction thereon of buildings required in the operation of any mine or mines on said premises and for drains, tramways and supports for such mine or mines, but for no other purpose.*~~ *The lessee may during the term of this lease develop any mine or mines upon said premises and may remove not more than five (5) tons of ore therefrom for assaying and testing purposes, and shall remove no ore for any other purpose. Within sixty (60) days prior to the expiration of this lease, if this be the first lease of said premises issued to said lessee or his predecessors in interest, the lessee may apply to the commissioner of public lands of the State of Washington for a new lease thereof, and shall thereby acquire the right to such new lease upon such terms as may be then provided by law. At any time prior to the expiration of this lease or of any lease issued in renewal hereof, the holder thereof shall have the right to apply to the said commissioner of public lands for a contract and to obtain from said commissioner of public lands a contract which shall bind the State of Washington according to the terms of chapter 255 of the Session Laws of 1927.*

The State of Washington reserves the right, by and through its proper officer or officers, or otherwise, to grant such easements for rights of way of necessity upon, over, through or across said lands or any part thereof as is now or may hereafter be authorized by law. The said lands are leased subject to all the provisions of chapter 255 of the Session Laws of 1927, which shall be as binding upon the lessee as though set out at length herein.

The lessee shall not sublet the above described premises or transfer possession thereof to any other party without the approval of the commissioner of public lands in writing first had and obtained.

It is agreed by the lessee that a breach of any of the conditions herein contained or the doing of any act hereinabove prohibited shall work a forfeiture of all his rights under this lease, and that the same may thereupon be cancelled by the lessor through its commissioner of public lands.

Executed in duplicate the day and year above written.

Witnesses as to Lessee: Lorna R. Roberts, Herman Michelsen

STATE FOREST BOARD
THE STATE OF WASHINGTON
By [signature] Chairman
[signature] Secretary
Gail Martin Lessee.

F-4461
App. No. 2186-30

P. O. Address General Delivery
Lynnwood, Washington

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 14 1957

DATE	INITIALS	CODE

January 11, 1957

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New application (Copper-Tungsten-Silver)
Gail A. Martin
Unnamed property
Lot 4, Sec. 2, T. 27 N., R. 9 E. W.M.
Snohomish County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application for aid to explore for copper, tungsten, and silver on land known as Lot 4, sec. 2, T. 27 N., R. 9 E. W.M., Snohomish County, Washington. We have retained one copy for our files.

The area was said to be free of snow, and as we had our field men in the vicinity of this property, they were asked to make an examination. They visited the property on January 8. Unfortunately, it snowed during the previous night and therefore they were unable to make a satisfactory examination; however, they were able to determine that there is a mineralized zone about 20 feet wide comprising an undetermined number of stringers of chalcopyrite and scheelite in quartz-diorite. This zone is estimated to be about 400 feet from a contact between the quartz-diorite and Paleozoic metasediments. One mineralized fracture was sampled at two exposures about 20 feet apart, but the assays are not yet available. From what the examiners were able to see a re-examination under more favorable conditions is warranted. This will probably not be possible until early next spring. The applicant was advised to notify us when the property is sufficiently free from snow to permit a thorough examination.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosures
cc: USBM(2)
Kellum

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED JAN 4 1957 U.S.G.S. SPOKANE, WASH.

JAN 14 1957 D.M.E.A.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4605
Metal or Mineral Copper - Tungsten - Silver
Date Received 1-14-57
Estimated Cost $15,253.80
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: GAIL A. MARTIN, RT. I., BOX 545, ALDERWOOD MANOR, WASHINGTON
(b) NONE (c) NONE (d) NONE

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract (a) Lot 4, Section 2, Township 27 North, Range 9 East, W.M., Snohomish County, Washington

(b) MITER (c) LESSEE (d) ATTACHED COPY OF LEASE (e) NONE (f) NONE

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore COPPER, ~~TUNGSTIN, AND SILVER~~

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☑ Money ☑ Use of equipment owned by you ☐ Other

Explain in detail on accompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated December 13, 1956.

(Applicant)

By Hale A. Martin

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—66551-1

ADDITIONAL APPLICATION PAPERS

GAIL A. MARTIN, ROUTE 1, Box 545,
Alderwood Manor, Washington

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4. Physical description.

(a) Open-cut. Construction of road exposed mineralization for a width of twenty feet; further stripping exposed another fifty feet along the strike. All cuts and stripping performed by applicant. Served by logging roads two and one-half miles from Great Northern Railroad at Gold Bar, Washington.

(b) None.

(c) Shear zone in granite adjacent to contact with old metamorphic series about four hundred feet northwest of the shear. Minerals are Copper, Tungsten, Gold, and Silver. Surface sampling across twenty feet have indicated values in Copper and Tungsten, the hanging wall side showing Copper, Gold, and Silver in attractive amounts over sixteen inches. Assay attached marked "Exhibit C".
The purpose of the loan would be to block tonnages enough to warrant the erection of a suitable plant for the recovery of Copper and Tungsten. Copy of map attached marked "Exhibit B".

(d) A good to fair gravel road to the out-cropping, a distance of two and one-half miles to supply and residence point.

(e) Ample man-power available; materials, equipment, and supplies also available; sufficient water on property. Power will be by gasoline and diesel.

5. Exploration Project

(b) The topography is such that backs are easily gained; therefore, the applicant proposes a tunnel to be driven three hundred feet as a drift from a point one hundred feet below the out-cropping northeasterly along the strike of the structure. It is further desired to extend cross-cuts southwesterly every fifty feet to the limits of the ore which is indicated by surface exposure to be twenty feet in width.

(d) The applicant has had ten years experience in the operation of heavy equipment. Supervision will be handled by persons with twenty years of experience in mine development work.

6. Estimate of Costs.

(a) None.

(b) Labor, supervision, consultants.

Two Muckers----------at $18.00 per day
Machine Man----------at $20.00 per day
Machine Helper----------at $16.00 per day
Supervision----------Total for job $500.00

(c) Operating materials and supplies.

Rails, 150' of double track at $1.00 per foot	$300.00
Grinder	185.00
Railroad Spikes	50.00
Drillrod, 10 six-foot lengths	200.00
2-inch Piping	200.00
Air and water hoses	80.00
Copco drill machine	650.00

Air Leg	$160.00
Valves	25.00
Shovels	40.00
Water Tank	150.00
3/4 inch Water Pipe	100.00
Cross Ties	30.00
Two Ore Cars	300.00
Miners Picks	7.00
Receiver Tank	200.00
105 cases Powder @ $12.00 per case	1260.00
12,000 Feet Fuse	192.00
Igniter Wire	50.00
24 Boxes of Caps	96.00
Gasoline, 2,000 gals.	600.00
Oil, 100 Quarts	28.00

(d) Operating Equipment . Owned and furnished by the operator. (1) one only Compressor-220 cubic foot capacity, (2) one only (Chev.) pick-up truck, and (3) one only two-ton truck. (Ford)

(e) None.

(f) Furnished by operator.

(g) Assaying----------$300.00
Accounting----------$250.00 (for five months)

Two men at $18.00 per day, 1680 hours	$3,780.00
Medical Aid	25.20
Social Security	75.60
Industrial Insurance	369.60
One man at $20.00 per day, 840 hours	$2,100.00
Medical Aid	12.60
Social Security	42.00
Industrial Insurance	184.80
One man at $16.00 per day, 840 hours	$1,680.00
Medical Aid	12.60
Social Security	33.60
Industrial Insurance	184.80

(h) Estimated Contingencies

Vent tubing and accessories	$200.00
Blower and fan	600.00

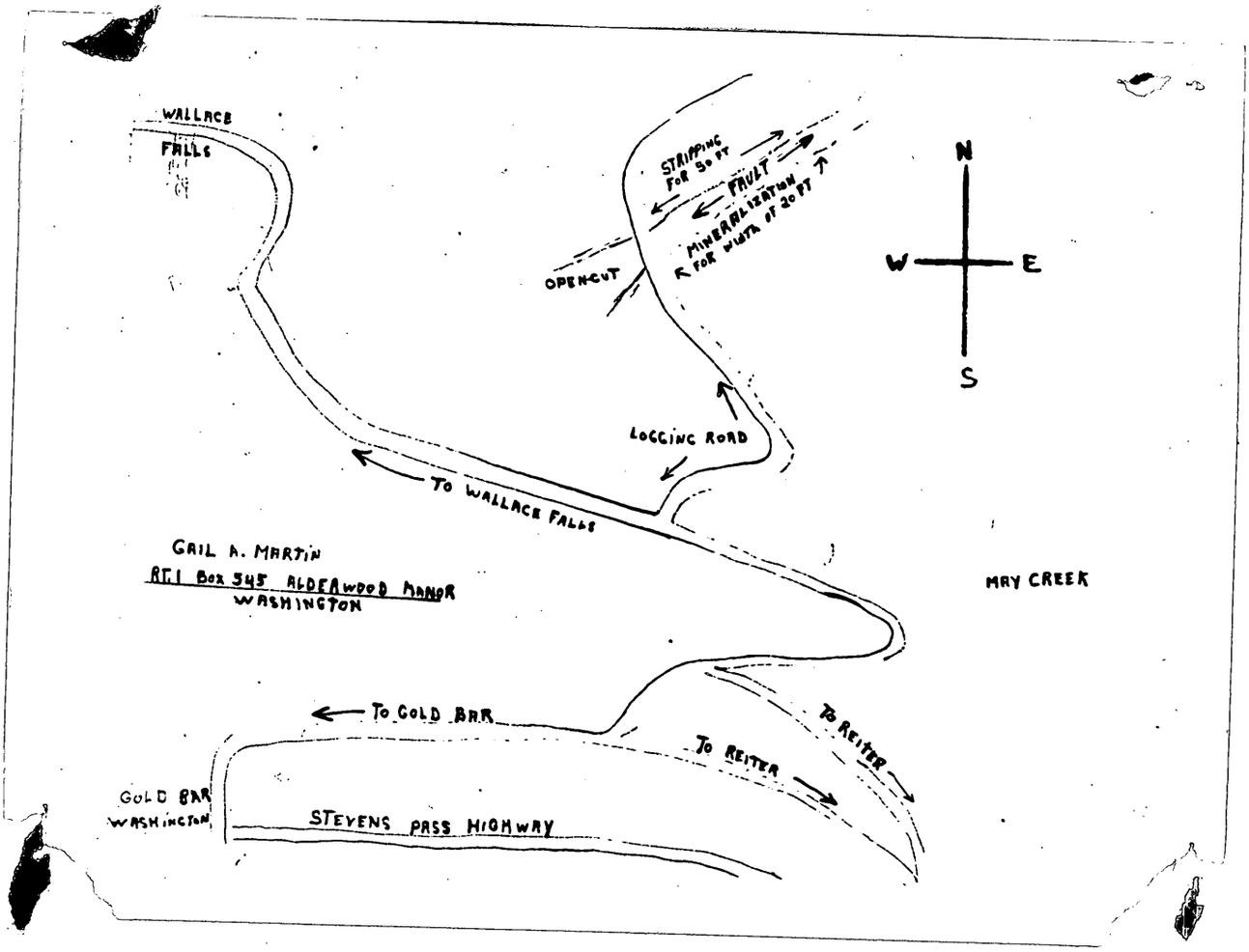
Total---------- $15,253.80

7. (a) Yes.
(b) Money and use of equipment.

ADDITIONAL APPLICATION PAPERS

GAIL A. MARTIN, ROUTE 1, Box 545,
Alderwood Manor, Washington

"Exhibit B"



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D.M.E.A.

ADDITIONAL APPLICATION PAPERS

GAIL A. MARTIN, ROUTE 1, BOX 545
ALDERWOOD MANOR, WASHINGTON

RECEIVED JAN 14 1957 D.M.E.A.

"EXHIBIT C"

ASSAY FINDINGS

Assay dated September 20, 1956, made by the AMERICAN SMELTING AND REFINING COMPANY, TACOMA SMELTER, Tacoma 1, Washington.

Ounces/Ton		Percent					
Au	Ag	Pb	Cu	SiO2	Fe	S	Al2O3
0.05	7.29	No	15.4	18.1	19.3	21.0	5.7

(No assay for Tungsten made by Tacoma Smelter)

Assay dated September 12, 1955, made by WILLIS H. OTT, METALLURGICAL LABORATORY, 5200 Airport Way, Seattle 8, Washington, No. 2836.

Tungsten (WO3)...5.09 Per cent
Copper (Cu)....4.82 Per cent

(Assay only for Copper and Tungsten)

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DMEA
RECEIVED JAN 14 1957
DATE | INITIALS | CODE

METALLURGICAL LABORATORY

WILLIS H. OTT

ASSAYERS
Umpire and Smelter Control

METALLURGISTS
1519 WESTLAKE AVENUE NORTH
SEATTLE 9, WASHINGTON

CHEMISTS
Physical and Chemical Testing

No. 824 — CERTIFICATE OF ANALYSIS — Date Jan. 3, 1957

Submitted by Gail Martin, Route 1, Box 545, Alderwood Manor, Wa

Exhibit C — Tungsten (WO_3) 3.54%

METALLURGICAL LABORATORY.

Official-Copy

RECEIVED 1957

DATE	INITIALS	CODE

AMERICAN SMELTING AND REFINING COMPANY

TACOMA SMELTER

TACOMA 1, WASHINGTON

R. E. SHINNOCKEY
MANAGER

F. W. ARCHIBALD
ASSISTANT MANAGER

C. R. LOW
GENERAL SUPERINTENDENT

BEN R. PETRIE
ACCOUNTING MANAGER

D. A. SOMERVILLE
ORE BUYER

September 20, 1956

GENERAL FILE COPY
DMEA
RECEIVED JAN 14 1957

Mr. Gail Martin
General Delivery
Lynnwood, Washington

Dear Sir:

We have analyzed the sample you submitted and report as follows:

Ounces/Ton		Percent					
Au	Ag	Pb	Cu	SiO_2	Fe	S	Al_2O_3
0.05	7.29	No	15.4	18.1	19.3	21.0	5.7

At present metal prices, based on terms of our open schedule, one of this analysis will return you approximately $102 per net dry ton, f.o.b. Tacoma Smelter. From this you will have to deduct freight and your mining and loading costs.

We will be pleased to accept a trial shipment of this ore and are enclosing two yellow instruction sheets which we ask you to fill out. Return the original along with the original bill of lading when making shipment and retain the other for your files.

Yours very truly,

F. W. ARCHIBALD

FWA:GC
Enc.

Sample Foundry

METALLURGICAL LABORATORY

WILLIS HUNT

METALLURGISTS
5200 AIRPORT WAY
SEATTLE 8

ASSAYERS
Fire and Spectro Chemist

CHEMISTS
Physical and Chemical Testing

No. [illegible]

Sept. 12, 1956

CERTIFICATE OF ANALYSIS

Submitted by Russell McSilveray

Tungsten (WO_3) 5.09%
Copper ..... .82%

METALLURGICAL LABORATORY

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DMEA
RECEIVED JAN 14 1957

DATE	INITIALS	CODE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/19	Alt	500.
9/20	Sellards	120
9/20	Jones	130
9/20	Adson	130
		~~110~~
		~~140~~
9/23	B	220
		225

SEP 20 1957

3-27

Mr. Gail A. Martin
Route 1
Post Office Box 545
Alderwood Manor, Washington

Re: Docket No. DMEA-4605 (Copper-Tungsten)
Gail A. Martin
Lot 4, Sec. 2, T. 27 N.,
R. 9 E., W.M.
Snohomish County, Washington

Dear Mr. Martin:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of copper and tungsten mineralization on your lease, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

JWAlt/er 9/19/57
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region I (2)
Chron.

Frank E. Johnson
(Eyles)
ACTING Administrator

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	alt	

September 19, 1957

Memorandum

To: The Administrator

From: Director, Division of Base Metals

Subject: Denial of Application, Docket No. DMEA-4605, Gail A. Martin, Lot 4, Sec. 2 T. 27 N., R. 9 E., W.M., Snohomish County, Washington, Copper-Tungsten.

The cited application, dated December 13, 1956, was received by this office on January 14, 1957. On January 30, the application was referred to the Field Team for a complete examination and recommendations when the property was accessible.

The exploration proposed by the Applicant consisted of 300 feet of drifts and 120 feet of crosscutting at an estimated cost of $15,253.80.

The Field Team visited the property on January 8, 1957; however, it was not possible to make a satisfactory examination because of a heavy snowfall during the previous night and during the time of the visit. Consequently, the property was re-examined on June 26. The Field Team report was received by this office on August 23, 1957.

The only workings on the property are four open pits, two of which have exposed two parallel fracture zones. A road cut exposes bedrock in the pit area, and it was in the road cut that the first discovery was made. In the overburden below the road, two pits have been dug in an attempt to expose the continuation of the fractures exposed above the road, but did not do so. Two parallel mineralized joints were exposed for about twenty-five feet. These two joints are 25 feet apart and strike and dip essentially the same. The width of the mineralized zone ranges from a fraction of an inch to a foot or more. The rock between the joints is unaltered and contains no visible metallic mineral.

The Field Team states:

"The present exposures on the property do not appear to warrant Government participation in further exploration. Although specimen samples of excellent copper and tungsten ore can be obtained, it is felt that the possibilities of discovering any substantial tonnage of either tungsten or copper are rather remote. This opinion is based upon the narrow width of mineralization and the lack of visible alteration in the rock adjoining the mineralized fracture.

"The examining team concurs in the opinion that the application be denied."

We concur with the recommendations of the Field Team and commodity members of the U.S. Bureau of Mines and U. S. Geological Survey that the application be denied.

for J. W. Alt
W. R. Griswold

J. W. Alt/er
Copy to: Docket
Admr R File
Chron.

IN REPLY REFER TO:

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

September 3, 1957
Re: DMEA 4605
Gail A. Martin
Lot 4, prospect
Snohomish County, Washington
$15,253.80 - Copper-tungsten

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicant requested assistance in exploring by drifting and crosscutting a shear zone in granite, first exposed in a road cut, from which samples bearing good to high values in copper and tungsten had been taken. The prospect was examined twice by representatives of the Field Team.

The examiners found the samples had been picked from narrow, parallel mineralized joints or seams in a zone about 20 feet wide. The seams range from a knife edge to about a foot in width and are not persistant in width or length. Little shearing or faulting movement with alteration is indicated. As the mineralization in the seams does not penetrate the walls, the average overall grade is low.

In the opinion of the examiners, the low average values exhibited at the surface will not increase with depth and participation by the Government in the underground work outlined in the application is not recommended.

I concur with the opinion and the conclusions of the examiners.

N. E. Nelson

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DMEA
RECEIVED SEP 4 1957

DATE	INITIALS	CODE
9/4	Q	220
9/4	Jwa	500

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

August 27, 1957

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Field Examination Report, Docket No. DMEA 4605, (copper-tungsten) Gail A. Martin, Gail A. Martin Prospect, Snohomish County, Washington. $15,253.80

Mineralization observed during the examination is confined to a narrow zone within a granite mass and consists of small seams of pyrite and chalcopyrite containing scattered particles of scheelite. There is no mineralization in the granitic rock between the seams and there are no indications that the zone will show strength at depth. Because of the narrow mineralization and lack of alteration in the rock adjoining the fractures, the examiners conclude that there is little possibility of finding a substantial tonnage of copper or tungsten ore and recommend that the application be denied.

I concur in that recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

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8/27	C	220
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

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DATE		
8/19	G	220
8/23	C	130
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		500

August 13, 1957

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4695 (Copper-Tungsten)
Gail A. Martin
Lot 4, sec. 2, T. 27 N., R. 9 E., W.M.
Snohomish County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an examination report on the above-referenced property by E. A. Magill, Mining Engineer, U. S. Bureau of Mines, and R. D. Sample, Geologist, U. S. Geological Survey.

Although specimen samples of good grade copper and tungsten ore may be found, the veins are narrow and discontinuous and there is no visible alteration of the wall rock. Therefore, Magill and Sample conclude that the chance of making a significant discovery of copper or tungsten ore on this property is poor and they recommend that the application be denied.

We concur with this recommendation.

By Field Team, Region I

for Stephen W. Zoldak
Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren
Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS (SRO)
Sample

Reviewed by
DMEA OPERATING COMMITTEE
8-23-57
(date)

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		130 36
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UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

August 12, 1957

MEMORANDUM

To: DMEA Field Team, Region I

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines, and R. D. Sample, Geologist, U. S. Geological Survey

Subject: Field examination report, Docket No. DMEA-4605 (copper-tungsten), Gail A. Martin Prospect, Lot 4, sec. 2, T. 27 N., R. 9 E., W.M., Snohomish County, Washington

INTRODUCTION

An application was received January 4, 1957 from Gail A. Martin, Route 1, Box 545, Alderwood Manor, Washington, for an exploration project for copper and tungsten on an unnamed property in Lot 4, sec. 2, T. 27 N., R. 9 E., Snohomish County, Washington. The exploration proposed by the applicant consisted of 300 feet of drifts and 120 feet of crosscutting at an estimated cost of $15,253.80.

The property was visited on January 8, 1957 by Don Kollum, U. S. Geological Survey, and E. A. Magill, U. S. Bureau of Mines; however, it was not possible to make a satisfactory examination because of a heavy snowfall during the previous night and during the time of the visit. Consequently, the property was reexamined on June 26, 1957, by R. D. Sample, Geologist, U. S. Geological Survey, and E. A. Magill, Mining Engineer, U. S. Bureau of Mines, accompanied by Gail Martin, the applicant. Approximately two hours were spent on the property during the afternoon of the 26th and one hour was spent on the property during the evening, lamping the various exposures with a mineralight. Three samples were taken for assay.

SUMMARY AND RECOMMENDATIONS

On the applicant's property a mineralized zone comprising a series of joints in granodiorite contains chalcopyrite, scheelite, and pyrite, along with sparse secondary oxidation products. The width of the mineralized zone ranges from a fraction of an inch to a foot or more. The only workings consist of two shallow open cuts

Reviewed by
DMEA OPERATING COMMITTEE
8-23-57
(date)

which have exposed two parallel mineralized joints for about 25 feet. These two joints are 25 feet apart and strike and dip essentially the same. The rock between the joints is unaltered and contains no visible metallic mineral.

Although the lenslike mineralized pods within the joints are in some cases of good grade, it is the belief of the examining team that the property does not warrant a substantial outlay for further exploration based upon the present showings. Consequently, it is recommended that the request for exploration assistance be denied.

LOCATION AND ACCESSIBILITY

The Gail Martin prospect is in Lot 4, sec. 2, T. 27 N., R. 9 E., W.M., Snohomish County, Washington. The nearest railhead is on the Great Northern Railroad at Gold Bar, Washington, about 4½ miles by graveled road from the property. On a direct line the property is only 2½ miles from Gold Bar. The property is accessible throughout the year; rainfall is heavy, up to 80 inches per year, with considerable intermittent snow between December and March.

APPLICANT'S PROPERTY RIGHTS

The applicant's property rights consist of a Mineral Prospecting Lease involving 34.80 acres on Lot 4, sec. 2, T. 27 N., R. 9 E. granted by the State of Washington. The date of the lease is July 30, 1956 and is in effect for two years.

APPLICANT

The applicant, Gail Martin, has had no experience in mining. He is a contractor concerned with home construction. However, it is believed that he would be able to carry out a small exploration program with suitable geologic guidance.

DESCRIPTION OF THE PROPERTY

The only workings on the property are four open pits, two of which have exposed two parallel fracture zones. A road cut exposes bedrock in the pit area and it was in the road cut that the first discovery was made. In the overburden below the road two pits have been dug in an attempt to expose the continuation of the fractures exposed above the road, but did not do so.

There is no equipment on the property.

GEOLOGY

The small prospect pits examined on the Gail Martin property are underlain by a coarse-grained, granitic rock which may have been intruded into the surrounding metamorphic rocks of the region. Dense forest and underbrush, rotten logs, and a heavy soil covering prevent the finding of formation contacts or the tracing of structures. The nearest contact is apparently about 500 feet northwest of the pits.

The observed mineralization is confined to a narrow zone within the granite mass and consists of small seams of pyrite and chalcopyrite containing scattered particles of scheelite. These seams extend irregularly and for short distances in a zone about 20 feet wide. They vary in width from a knife edge to about a foot within short distances. They trend in a general northeast direction but are not persistent in either width or length. All the seams are tight and their walls show very little alteration. Apparently they represent joint and crack fillings in the country rocks but show very little shear or fault movement. Three samples taken across the more promising seams assayed as follows:

Sample No.	Gold	Silver	Copper	Tungsten (WO_3)
EAM 57-2	nil	1.42 oz/T	0.08%	1.86%
EAM 57-3	nil	0.56 oz/T	0.78%	nil
EAM 57-4	nil	0.22 oz/T	0.03%	nil

Inasmuch as these small seams of mineralization show very little strength in width or lateral extent on the surface, it is not believed they will show any great strength at depth. The granitic rock between the seams shows no visible mineralization, nor can any scheelite be seen under the blacklight except scattered particles in the seams.

APPLICANT'S PROPOSAL

The applicant proposes to drift 300 feet northeasterly on the principal structure. Along with the drifting he proposes to drive 20-foot crosscuts to the parallel structure at 50-foot intervals. The applicant's estimate of the total cost of the project is $15,253.80.

CONCLUSIONS

The present exposures on the property do not appear to warrant Government participation in further exploration. Although specimen samples of excellent copper and tungsten ore can be obtained, it is felt that the possibilities of discovering any substantial tonnage of either tungsten or copper are rather remote. This opinion is based upon the narrow width of mineralization and the lack of visible alteration in the rock adjoining the mineralized fracture.

The examining team concurs in the opinion that the application be denied.

Distribution:
- DMEA (3)
- USBM (5)
- USGS (SRO)
- Docket
- Sample

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Spokane 4, Washington

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DATE	REMARKS	CODE
6/10	C	220
6/10	Jwa	500

June 6, 1957

Mr. Gail A. Martin
Route 1, Box 545
Alderwood Manor, Washington

Re: Docket No. DMEA-4605 (Copper-Tungsten)
Lot 4, Sec. 2, T. 27 N., R. 9 E. W. M.
Snohomish County, Washington

Dear Mr. Martin:

As you will recall we attempted to examine your property last fall but were prevented from doing so by snow. Will you please advise us if your property is now accessible and ready for an examination so that a definite date may be arranged.

Sincerely yours,

D. R. MacLaren
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

cc: DMEA (2)
USBM (2)
Kellum

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RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3/5	C	220
3/5	jwa	500

February 8, 1957
3/8

Mr. A.E. Weissenborn
Executive Officer
D.M.E. Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4605 (Copper-Tungsten)
Gail A. Martin
Lot 4, Sec. 2, T. 27 N.,
R. 9 E. W.M.
Snohomish County, Washington

Dear Mr. Weissenborn:

This letter is in reply to the letter dated January 30, 1957, from the Department of the Interior signed by C.C. Mittendorf, Administrator, in reference to assisting you.

This is to inform you that I shall be at your disposal for whatever assistance and information you may need. For your own convenience, it would probably be advisable to notify me in advance so that I could inform you of the conditions of the roads leading up to the mine, and such other information as you may desire.

Very truly yours,

Gail A. Martin
Route 1, Box 545
Alderwood Manor, Washington

GAM:mf

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FEB 11 1957

DMEA

EXTRA COPY DMEA RECEIVED [illegible] 1957		
DATE	IN[illegible]	CODE

[illegible] 1957

Mr. [illegible] Weissenborn
Executive Officer
[illegible] Field Team, Region I
Northwest District
[illegible] 157 Howard Street
Spokane 4, Washington

Re: Docket No. [illegible]-4605 ([illegible]
Tungsten,
Gail A. Martin
Lot 4, Sec. [illegible], T. 27 N.
R. [illegible] W.M.
Snohomish County, Wash.

Dear Mr. Weissenborn:

This letter is in reply to the letter dated January [illegible] 1957, from the Department of the Interior signed by [illegible] Mittendorf, Administrator, in reference to assisting [illegible]

This is to inform you that I shall be at your dispo[illegible] for whatever assistance and information you may need. For your [illegible] convenience, it would probably be advisable to notify me [illegible] advance so that I could inform you of the conditions of the [illegible] leading up to the mine, and such other information as you may desire.

Very truly yours,

Gail A. Martin
Route 1, Box 545
Alderwood Manor, Washington

[illegible]

[illegible]

[illegible] 11 1957

[illegible]

DMEA Form 7
(12-56)

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Date	Surname	Code
1/29/57	J-All	500
	Ingram	100
1/30	Selfridge	30
1/31	C	220
1/30	Johnson	110
	Chatterton	100 225 500.

JAN 30 1957

Mr. Gail A. Martin
Route 1, Post Office Box 545
Alderwood Manor, Washington

Re: Docket No. DMEA-4605 (Copper-Tungsten)
Gail A. Martin
Lot 4, Sec. 2, T. 27 N., R. 9 E. W.M.
Snohomish County, Washington

Lamb
Nelson

Dear Mr. Martin:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and is being referred for a complete field examination to:

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

The Regional Office will contact you as to when a complete examination is to be made. Any assistance that you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mitterdorf (for)

Administrator

JWAlt/er 1/28 & 29/57
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

R.C.S.

8623

DMEA Form 7
(12-56)

500

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Date	Surname	Code
1/29/57	Gill	500
	Lazarovich	500
1/30	Selfridge	130
1/30	Johnson	110

JAN 30 1957

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4605 (Copper-Tungsten)
Gail A. Martin
Lot 4, Sec. 2, T. 27 N.,
R. 9 E. W.M.
Snohomish County, Washington

Dear Mr. Weissenborn:

In view of your January 11 letter covering the cited application, in which you state that a preliminary examination was made, the proposal is being referred to your office for a complete examination and recommendations when the property is accessible.

In the event that you should consider this application favorably, the Applicant should be requested to supply a property map showing where the proposed work is to be done. Also, he should be requested to list his equipment giving its present value. The costs submitted by the Applicant should be carefully reviewed by the Field Team.

From the preliminary data which have been furnished by the Applicant, it might be that a diamond drilling program would give equally significant information at a much lesser cost than drifting and crosscutting.

Copies of memoranda dated January 15 and January 23, 1957, by N. E. Nelson, Geological Survey, and A. D. McMahon, Bureau of Mines, respectively, relating to the project, are enclosed for your information.

Also, enclosed is one copy of the application for the cited property for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

8623

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

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DATE	INITIALS	CODE
1-24	C	220
1-24	JWW	500
January	23, 1957	

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4605 (copper-tungsten) silver), Gail A. Martin, Miter Claim, Snohomish County, Washington. $15,253.80

The applicant proposes to explore the downward extension of a surface mineralized zone with 300 feet of an adit-drift along the strike of the structure and short crosscuts at fifty-foot intervals.

Although the property was covered with snow when visited by the field examiners, they were able to observe encouraging mineralization and recommended that a thorough examination be made of the property under more favorable conditions.

I concur with this recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
Files

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 17 1957

DATE	INITIALS	CODE
1-17	cw	220
1/17	JWA	500

January 15, 1957

Re: DMEA 4605
Gail A. Martin
Miter Claim
Snohomish County, Wash.
$15,253.80 Copper-tungsten-silver

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

Following a preliminary examination of the prospect, the examiners and the Executive Officer recommend that the property be examined more critically when snow conditions are more favorable early in the spring of 1957.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

January 14, 1957

Gail A. Martin
Rt. #1, P. O. Box 545
Alderwood Manor, Washington

Subject: DMEA-4605

Dear Miss Martin

Your application for exploration assistance, dated December 13, 1956 submitted to our office at Spokane, has been assigned Docket Number DMEA-4605 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

(Sgd) Allen S. Dakan

Allen S. Dakany, Director
Operations Control and
Statistics Division

Copy to:

Region I, NW. Spokane, Washington

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6416

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