DMEA F[illegible] 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4436

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in the Docket, Mails and Files Branch. Any movement of this document between divisions or offices in DMEA or movement outside DMEA must be recorded in the Docket, Mails and Files Branch, and therefore, the document must be routed through that Branch.

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USGS, BM

Routing Slip

To:	400	Date	8/27/56
To:	M+R	Date	9/11/56
To:	Oper Corr	Date	10-2-56
To:	Admn.	Date	10-3-56
To:	130	Date	1-24-57
To:	110	Date	1-25-57
To:	100	Date	1-25-57
To:	225	Date	1-25-57
To:		Date	
To:		Date	
To:		Date	
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IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4436

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(~~Withdrawn~~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

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Okanogan, State of Washington, described as follows:1/

Situated in Sections 22 and 23,

Township 40 North, Range 25 E.W.M.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

3/ Write "none" if that is the case. Do not leave lines blank.

RECEIVED
AUG 27 1956

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 16th day of August, 1956.

Schee-Ranium Mines, Inc. [Seal]

Stuart G. Mayo [Seal]
, President

[Seal]

I, James A. Eberlein certify that I am the Secretary (Secretary, etc.) of the corporation named herein; that Stuart G. Mayo who signed this agreement was then President (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

James A. Eberlein
[Corporate Seal]

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U. S. G. S.
SPOKANE, WASH

MF-203
Revised March 24, 1955

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SPOKANE, WASH

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SPOKANE, WASH.

MF-203
Revised March 24, 1955

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Docket No. DMEA-_____
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Dated this 16th day of August, 1956.

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Stuart G. Mayo [Seal]
President

[Seal]

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James A. Eberlein
[Corporate Seal]

RECEIVED
AUG 20 1956
U. S. G. S.
SPOKANE, WASH

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

August 23, 1956

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

Re: New application (Scheelite-Tungsten)
Schee-Ranium Mines, Inc.
Four Metals Group
Okanogan County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application and three copies of consents to lien submitted by Stuart G. Mayo, president, and James A. Eberlein, secretary-treasurer, Schee-Ranium Mines, Inc. Tonasket, Washington. We have retained one copy of each for our files.

Sincerely yours,

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

Enclosures as indicated

cc: USBM (2)
Geologist

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AUG 27 1956

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 20 1956
U. S. G. S.
SPOKANE, WASH.

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. 4436
Metal or Mineral Tungsten
Date Received 8-27-56
Estimated Cost $14,000
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:

Schee-Ranium Mines, Inc.
Tonasket, Washington

(*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

Situated in Sections 22 and 23,
Township 40 North, Range 25 E.W.M.

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

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

Owner

(*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

None

(*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.

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AUG 27 1956

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Scheelite Tungsten

(*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 15 days and be completed within 9 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)? Yes

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

[X] Money [X] Use of equipment owned by you [ ] Other

Explain in detail on acompanying 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 August 16, 1956

Schee-Ranium Mines, Inc.
(Applicant)

By Stuart G. Mayo
Stuart G. Mayo, President

James A. Eberlein
James A. Eberlein, Sec-Treas

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

1 b. Corporation in the State of Washington

c. President - Stuart G. Mayo
Vice-Pres - Ethel Mayo
Sec-Treas - James A. Eberlein

3 f. Unpatented claims recorded in the Okanogan County Courthouse, Okanogan, Washington as follows:

Claim		Date	Book	Page
Shamrock	ammended location	6-27-29	4	151
Silver Queen	" "	6-27-29	4	154
Sylvanite	" "	6-27-29	4	157
Dorothy Lode	re-location	6-27-29	4	150
Tip Top No 2	location	5-25-14	Y	493
Independence	"	7-29-29	3	400

4 a. The Shamrock Claim is the one claim in the group shown in 3f above that exploration work is planned for under this application. Existing mine workings on this claim consist of a tunnel 340 feet long of which approximately 280 feet is on the vein. Outside of the tunnel a vertical shaft has been sunk some 110 feet to inter-cept the same ore body as in the tunnel described above. A 30 foot cross-cut adit extends from the bottom of the shaft to the ore body and approximately 100 feet of adit has been driven in the vein.

Actual mining operations have heen conducted on the claim, and these operations ceased in 1921. At that time mining for silver and lead was carried on.

There are no existing production facilities on this claim at the present time, and no actual mining operations are being carried on.

For examination purposes, the tunnel is open and is in excellent condition. The shaft is in-accessable at the present time.

b. Past production of lead and silver proved to be unprofitable. There is no current production of any metal. Ore reserves in Scheelite-Tungsten have not been proven, but good quantities of mining grade ore show in the tunnel.

c. The property is located on the south side of Mt. Little Chopaka, which rises some 1,000 feet above the Similakameen River Valley to the south. The tunnel and shaft are approximately 120 feet from the valley floor. The ore vein is tilted some 25 degrees from the mountain's face. In the tunnel, a limestone footwall and granite hanging wall exist, and no timbering is necessary in the tunnel due to the hardness of the rock. Mineralization consists mainly of Scheelite-Tungsten, and further exploration is prompted by the indications that the scheelite-tungsten is of a better quantity and quality to the north of and below the present tunnel. Assay reports from the tunnel bear this out as well as the dump from the shaft and drift showing excellent scheelite-tungsten qualities.

4 d. Accessibility of the claim can be described as follows: The claim is located on a readily accessable country road some three miles from Nighthawk, Washington on the west side of the Similakameen River. The town of Nighthawk is served by the Great Northern Railway and a daily mail truck. Nighthawk is an adequate supply and residential center.

e. Manpower is readily available in the area as well as the major materials and supplies. Mining supplies and equipment are available in Spokane, Washington a distance of some 200 miles from the mining location. Water and electric power is within 1000 feet of the tunnel portal at the present time.

5 b. The proposed exploration work consists of re-timbering the existing shaft, construction of the head frame and engine room and extension of the drift furthur from the bottom of the ~~shaft~~, shaft some 200 feet.

See the enclosed sketch of the property.

d. Schee-Ranium Mines, Inc. was formed by its President, Stuart G. Mayo in order to further develope the properties. Prior to its formation in July, 1955, Mr. Mayo possessed a lease on the properties from Mr. James A. Stack, the owner. Mr. Mayo is also the general manager and supervisor of all operations. His experience in mining goes over a period of some twenty years. He has operated small mines for himselft and for others in the Burke, Idaho area and the Butte, Montana area. He has also worked for and with the Anaconda Copper Mines in Butte, Montana.

6 ESTIMATE OF COSTS :

a. Independent Contracts:

Construction of Engine Room (15'x15')		
Basic Frame Building Construction	$ 350.00	
Re-Timbering and Repairing Shaft	3,000.00	
Head Frame (24'high x 10' wide)	300.00	
Drifting (200' @ 35.00 foot)	7,000.00	
Total Independent Contracts		$ 10,650.00

b. Labor, Supervision, Consultants:
Labor included in Contracts above.
Consultants 500.00

c. Operating Materials & Supplies:
Included in Contract above.

d. Operating Equipment:

Air Compressor	owned by operator	
Hoist	"	
All Drifting Equipment	"	
(Use Allowance figured in contracts above.)		
800 feet of Rail and Splice Plates @ 10.00	$ 800.00	
One - One Deck Mine Cage	900.00	
Ventilating Pipe 450' @ 50¢	225.00	
Total Operating Equipment Purchases		1,925.00

e. Rehabilitation & Repairs - None

6 f. New Buildings, Improvements & Installations:
None

g. Miscellaneous:
Cost of Repairs and Maintenance of Operating Equipment to be included in contracts.

Analytical Work	$ 500.00
Accounting - to be furnished by Corporation	
Workmen's Compensation, etc. included in Contracts	

h. Contigincies:
Estiamte Only 425.00

Total $14,000.00

7 b. The corporation is prepared to furnish their portion in the form of cash and equipment owned or leased by them over and above that equipment shown in 6d.

1.0 gm @ 90¢ 9¢ 0.9

81

Net Value (Not Incl Est a 23.09

Major ~~Equip~~ Const * 2% * Cost of Equip —
Co Est

~~Sel Const * 1% * Cost of Equip —~~

$7000.00 per ton Daily Capacity
Depending on Cost of Equipment

Pencilled notes on back of assay certificate of phone to 1955 — not part of G.S.I. B.C. M. of Mines publication as not complete
S. [illegible]
9/28/50

24
165

Examples

WO_3

tungsten 0.5 [illegible] 2.6

0.8% @ 90% .72 [illegible] 40 8.0

1.0 gm @ 90% .9 @ 0.9 1.65

.81

Net Value (Net Incl [illegible] 23.09

Average Equip + 25% Cost of Equip —

Cost of Equip —

Per ton Daily Capacity

Depreciation Cost of Equipment

Prospectus

MCCARTHY, FARRIS & MCCARTHY

$\frac{2.40}{.65}$

Example

0.27 @ 90% .78

1.0 gal @ 90% .9 g 0.9

81

Net Value (Not Incl Rot a 23.09

Major Const Cost * 2% * Cost of Equip —

Co Est

Salvage 10% Cost of Equip —

$7000.00 per ton Daily Capacity

Depreciation Cost of Equipment

2 280

165

Net Value (Not Incl Est a

Major ~~Equip~~ Const * 2% * Cost of Equip —
Co Est

Self Const — ~~[illegible] Cost of Equip~~ —

$1000.00 per ton Daily Capacity
Depending on Cost of Equipment

78

1.0 gallon @ 9c 9 @ 2.9

Net Value (Not Incl Est a 23.09

Major Const Equip * 2% * Cost of Equip —
to Est

Self Const ~~[illegible] Cost of Equip~~ —

$1000.00 per ton Dairy Capacity
Depending on Cost of Equipment

240
168

Cost of Equip —

Cost of Equip —

$1000.00 per ton Daily Capacity

Cost of Equipment

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/22	Chapman	400
1/22	Martin	400
		130
		110
		100

January 22, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $14,000.00
Docket No. DMEA 4436 - Tungsten
Schee-Ranium Mines, Inc.
Four Metals Group
Okanogan County, Oregon

Denial of the subject application is recommended by this Division based on the following information:

1. On August 16, 1956, the applicant, Schee-Ranium Mines, Inc., requested exploration assistance in the amount of $14,000.00, to construct an engine house, build a headframe, rehabilitate 110 feet of shaft and drift 200 feet. The property was examined on October 26 and 27, 1956, by R. D. Sample, Geological Survey, and E. W. Parsons, Bureau of Mines, whose report recommended denial of the application.

Applicant: Schee-Ranium Mine Company, Inc.
Stuart G. Mayo, President
Ethel May, Vice-President
James G. Eberlein, Secretary and Treasurer
Tonasket, Washington

Property: The property is owned by James A. Stack, and is under lease to Stuart G. Mayo, and in turn the lease has been assigned to Schee-Ranium Mines, Inc.

The property consists of the following unpatented lode mining claims:

Name	Book No.	Page No.
Shamrock	4	151
Silver Queen	4	154
Sylvanite	4	157
Dorothy Lode	4	150
Tip Top No. 2	Y	493
Independence	3	400

Located in sections 22 and 23, T. 40 N., R. 25 E., W. M.

Okanogan County, Washington

8623

Ore Value and Tonnage: Samples indicate that the mineralization is erratic and irregular and the weighted average of samples showed less than 0.10 percent WO_3. No ore reserve of a minable grade can be estimated.

Geology: The area is underlain by biotite-hornblende schist with thin layers of limestone and marble, which have been intruded by grano-diorite. A fracture zone through the area has been filled by a vein of bull quartz, which carries blebs of pyrite, galena, chalcopyrite, sphalerite and scheelite.

Previous Workings: The accessible workings consists of a 60 foot adit, and 280 feet of drifting on the vein. A 110 foot shaft with a 30 foot crosscut to vein and 100 feet of drifting on the vein are inaccessible.

Past Production: There are no records of past production, but the work carried on was for gold, silver and lead. Scheelite was not recognized. There are no records of any scheelite production.

Proposed Work: The applicant proposes to build a headframe, with an engine room, rehabilitate the 110 foot shaft, and drift 200 feet on the vein, starting at the 100 foot level of the shaft.

Comments and Conclusions: The Field Team concurs in the conclusion of the examining engineers that there is little possibility of finding ore bodies that would justify Government participation.

The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the conclusions of the Field Team.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLChapman:am
cc to: Docket
Code 400
Admin. Read. File
Oper. Comm.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/22	Chapman	400
1/22	Martin	400
1/25	Selfridge	130
	Johnson	110
	Whittenberg	100
		220

JAN 25 1957

Schee-Ranium Mines, Inc.
Tonasket, Washington

Re: Docket No. DMEA 4436 - Tungsten
Four Metals Group
Okanogan County, Washington

Lamb
Nelson

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington concerning the above referenced property have been reviewed.

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

Careful study of all our information, although noting the occurrence of tungsten mineralization on this property, indicates to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation. Under these circumstances we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Wittenberg (for)

Administrator

TLChapman:am 1-22-57
cc to: Docket
Code 400
Admin. Read. File
Oper. Comm.
FT REG I - NWDist
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/24	Martin	400
1/25	Selfridge	120
	Johnson	110
"	[illegible]	100
		220

Lamb
Nelson

JAN 25 1957

Hon. Henry M. Jackson
United States Senate
Washington 25, D. C.

Dear Senator Jackson:

On January 23, 1957, Mr. Sterling Munroe of your office requested that you be informed when we had completed action on an application for exploration assistance submitted by the Schee-Ranium Mines, Inc., Tonasket, Washington, our Docket No. DMEA 4436-Tungsten, Four Metals Group, Okanogan County, Washington.

After a field examination of the referenced property and consideration of all available data, we have concluded that the probability of disclosing minable ore reserves by the applicant's proposed program is not sufficiently promising to justify Government participation in an exploration project. We regret to advise you, therefore, that this application has been denied.

For your information, a copy of our letter of denial to the Schee-Ranium Mines, Inc., is enclosed.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WSMartin:foc
1/24/57
cc to: Docket

Enclosure

Code 400
Admr. Read. File
FT. REG. I - NWDist.
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

R.G.L.

8623

OFFICIAL FILE COPY DMEA RECEIVED JAN 22 1957		
DATE	INITIALS	CODE
1-22	CW	220
1/22	WSM	400

Docket

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

Date January 17, 1957

DMEA Docket No. 4436
DMEA Contract No.
Commodity Tungsten
Name of applicant Schee-Ranium Mines, Inc.
Name of property
Location of property Okanogan County, Washington
Estimated cost of project

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Br. of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Review of Field Examination Report
(Application, Field Team Report, etc.)

1. Date of subject document: 12/13/56. 2. Date received by reviewer: 1/10/57.

3. Prior reports on this property known to reviewer: Yes ☐ No ☒

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☒

5. Information available on past production: Yes ☐ No ☒

6. Other pertinent factors known to reviewer: Yes ☐ No ☒

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location ☐
   b. Ownership ☐
   c. Evidence of mineralization ☐
   d. Geology ☐
   e. Proposed exploration method ☐
   f. Alternate exploration method ☐
   g. Costs ☐
   h. ____ ☐

9. Action advised:
   a. Obtain information from applicant ☐
   b. Refer to Field Team ☐
   c. Denial ☒
   d. Agree with Field Team ☒
      i. Consult with Mr. ____ at ____ AEC office.
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐

10. Remarks: (Use back of page if necessary)

R. W. Holliday
R. W. Holliday

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
D M E A

RECEIVED JAN 14 1957		
DATE	INITIALS	CODE
1-14	ew	220
1/14	WSM	400

January 11, 1957

Re: DMEA 4436
Schee-Ranium Mines, Inc.
Four Metals Group
Okanogan County, Washington
$14,000 Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in rehabilitating an old, 110-foot silver-lead mine shaft and extending a 100-foot drift at the bottom, 200 feet.

The vein has been exposed by stripping and drifted upon in an adit for 280 feet. In general the vein is composed of massive white bull quartz, sparsely mineralized by pyrite and galena and scattered scheelite crystals.

The vein in the adit has been sampled repeatedly. Ore grade material has been revealed in a number of places by various samplers. At one place, within a length of 20', ore grade material is indicated. Otherwise the sampling shows the tungsten values to be spotty.

In the opinion of the examiners there is no reason to expect an increase in values in the vein said to have been cut in the shaft. Therefore rehabilitation of the shaft and drifting are not warranted, and the examiners and Field Team recommend that the application be denied.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

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 7 1957

DATE	INITIALS	CODE
		130
1/4	CW	220
1/14	WSM	400

January 4, 1957

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

Re: Docket No. DMEA-4436 (Tungsten)
Schee-Ranium Mines, Inc.
Okanogan County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of a field examination report by E. W. Parsons, Bureau of Mines, and R. D. Sample, Geological Survey, on the referenced property. Although a few samples of ore-grade material have been taken in the tunnel, these samples are erratically spaced. The weighted average grade of 15 samples taken along the main structure is less than 0.1 percent WO_3. The scheelite bearing zone appears to extend northward from the crosscut a distance of 130 feet to the property boundary.

Parsons and Sample conclude that, because of the nearness to the property line and the general low grade of the scheelite zone, the chance of making a significant discovery is poor and they recommend that the application be denied.

The Field Team concurs with the recommendation of the examiners.

By Field Team, Region I, NW Dist.

A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

for Thomas E. Howard
Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures

cc: USBM (2)
USGS (SRO)
Sample

Reviewed by
DMEA OPERATING COMMITTEE
1-11-57
(6310)

ON-SITE EXAM

OFFICIAL FILE COPY DMEA RECEIVED JAN 7 1957		
DATE	INITIALS	CODE
		130
1/14	WSM	400

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

December 13, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

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

Subject: Field Examination Report, Docket No. DMEA-4436 (Tungsten)
Schee-Ranium Mines, Inc., Okanogan County, Washington

INTRODUCTION AND SUMMARY

In an application dated August 16, 1956, the Schee-Ranium Mines, Inc., of Tonasket, Washington in Okanogan County, applied for Government aid to explore for tungsten on the Shamrock claim. The applicant proposes to rehabilitate an old 100-foot shaft and from the bottom of the shaft, to drift along a mineralized vein for 200 feet at an estimated cost of $14,000. The Government participation would be $10,500.

The property was examined on October 26 and 27, 1956. Mr. Stuart Mayo, president of the Schee-Ranium Mines, Inc., accompanied the examiners to the property and acted as guide to various outcrops. The examination included the cutting of 15 samples underground, taking one shaft dump sample, sketching the underground and nearby surface geology, and examining a few surface cuts and exposures.

The Shamrock claim is underlain by a dark, biotite-hornblende schist with thin layers and streaks of limestone and marble, all of which have been intruded irregularly by granodiorite and quartz stringers. The foliation of the schist and granodiorite intrusions strikes north-northeast and dips steeply to the west. A fracture zone, varying in width from a few inches to 15 feet, strikes approximately parallel with the schistosity of the country rock and dips from 35° westerly near the crosscut to 65°-85° westerly at the north face of the drift. This fracture zone is filled almost completely at its southern exposure by white, bull quartz containing blebs and crystals of pyrite, argentiferous galena, chalcopyrite, sphalerite and scheelite. To the north, the quartz filling thins rapidly and

Reviewed by
DMEA OPERATING COMMITTEE
1-11-57
(date)

disappears almost entirely at the northern face. Evidence of scheelite mineralization also diminishes rapidly to the north in the iron-stained altered vein material. The last 63 feet of drift on the vein to the north is beyond the boundary of the applicant's property. Fifteen samples cut along this structure underground gave a weighted assay of less than 0.1 percent WO_3.

RECOMMENDATION

It is recommended that the application be denied.

APPLICANT

The applicant is the Schee-Ranium Mines, Inc., Tonasket, Washington, a corporation incorporated under the laws of the State of Washington. The officers of the company are:

Stuart G. Mayo, President
Ethel Mayo, Vice-President
James A. Eberlain, Secretary-Treasurer

All of the officers reside in Tonasket, Washington.

The company was formed by Mr. Mayo who held a lease from Mr. James A. Stack, owner of the Four Metals claims in the Oroville-Nighthawk Mining District on Little Chopaka Mountain. The company expects to explore and work the Four Metals claims which they have leased from Mr. Mayo and any other mining property they may acquire. Mr. Mayo has worked as a miner and small mine operator in Idaho and Montana, and is apparently capable of directing exploratory and development work of a small mine.

The applicants are prepared to meet their share of the cost of the exploration in the form of cash ($3,500) from the company's treasury.

LOCATION AND ACCESSIBILITY

The property included in the application consists of a group of six contiguous claims located in the extreme, north-central part of Okanogan County, Washington in sections 22 and 23, T. 40 N., R. 25 E. W. M. These claims are 3 miles southwest of Nighthawk, which is the nearest rail and shipping center. They may be reached from Oroville by traveling northwesterly, up the Similkameen River Valley, over a graveled county road for 13 miles to Nighthawk, thence southwesterly by a graveled and unimproved road on the west and north side of the Similkameen River for 3 miles to the main mine workings on the Shamrock Claim. Unimproved jeep roads lead to other prospects and workings on the property.

PROPERTY RIGHTS

The Four Metals claims, now under lease to the Schee-Ranium Mines, Inc., consists of eleven unpatented lode mineral claims, six of which are included in the application. One claim was located in 1914 and the remaining five claims were located or relocated in 1929. They are recorded in the Okanogan County Clerk and Recorder's office at Okanogan, Washington. The six claims included in the applicant's application are recorded as follows:

Claim	Book	Page
Shamrock	4	151
Silver Queen	4	154
Sylvanite	4	157
Dorothy Lode	4	150
Tip Top No. 2	Y	493
Independence	3	400

As far as is known these claims are free from any encumbrances.

DESCRIPTION OF THE PROPERTY

The applicant's claims lie on the south slope of the Little Chopaka Mountain which rises steeply to an altitude of over 2,500 feet. The land surface is rocky and is covered with sparse sagebrush and bunch grass. The main mine workings are on the Shamrock Claim and consist of a crosscut adit 60 feet in length which intersects the mineralized vein, a drift northerly along this vein about 265 feet long, and a drift southerly about 20 feet long. The southern face was not exposed due to caving. The portal entrance is at an elevation of about 1,700 feet above sea level and approximately 500 feet above the Similkameen valley floor a half mile to the south. Other workings consist of a 100-foot shaft, now caved and filled with water to within 56 feet of the surface. Remains of an old pilot mill and a small tool shed are the only buildings on the property. Outcrops of the schist country rock with its various injections of granodiorite and quartz veins are common as the soil covering is very thin.

The area is hot and dry during the summer and fall months with only an occasional shower; the winter and spring months are cold and wet. Snow covers the higher slopes most of the winter, but it is reported that the southern slopes near the river are relatively free of snow for most of the winter months.

No mining equipment such as mine cars, track, compressors, etc., are at the workings at the present time, although the applicant apparently has access to bulldozer and other machines necessary for mining. A few bulldozer cuts and hand-dug pits are scattered extensively over some of the other claims but most of the surface and underground work was done on the Shamrock Claim.

HISTORY AND PRODUCTION

There was some prospecting and placer mining in the district as early as 1859 but it was not until the late nineties, when the land was open to mineral entry, that lode mining operations began, principally for gold and silver. Scheelite was not recognized in the early period of mining.

The Four Metals group is an old property which has been worked intermittently for many years. The Shamrock was one of the earlier workings and, when closed in 1921, was being worked for lead and silver. Production figures are not available but judging from samples from the accessible workings, the ore was low grade.

In 1943, the Shamrock mine was under lease by Sidney J. Sherwood of Mason City, Washington. He installed a small pilot plant consisting of a crusher, screen, and small wilfley table to test the scheelite content of the vein and its recovery; also to test the sulfide content of the vein. Apparently, the results were not encouraging as the project was soon abandoned. There are no records available of any tungsten shipments.

GEOLOGY

Harold E. Culver and W. A. Broughton, in a report entitled, "Tungsten Resources of Washington," Department of Conservation and Development, Division of Geology, Bull. 33, p. 33-34, 1945, states that "the oldest rocks in the vicinity of the tungsten properties are a series of metamorphosed Paleozoic sediments consisting of interbedded quartzite, marble, argillite, and slate . . . Two mining properties the Four Metals and the adjacent Kaab-Texas (pl. 8) carry tungsten minerals but neither has produced tungsten, even as a by-product."

Country rock in the immediate area surrounding the Shamrock mine consists of dark, biotite-hornblende schists, slates, marbles, and some limestones, all of which have been injected by gneisses, and quartz stringers and layers. Apparently, there has been much recrystallization of those old metamorphic sediments. The foliation and dip of the schists are rather irregular due to the

many intrusive bodies but in general they have a strike of N. 10°-20° E. and dip steeply to the west about 75°-85°.

The main structural feature on the Shamrock Claim is the vein-filled fracture which can be traced laterally both underground and on the surface for several hundred feet and through a vertical range of over a hundred feet. The width of the vein varies from a few inches to as much as 15 feet at its thickest part, but the average thickness would probably be 4 or 5 feet. At its thickest portion, near the crosscut, the vein is composed predominantly of white milky quartz containing blebs and streaks of pyrite, argentiferous galena, chalcopyrite, sphalerite, and in places conspicuous crystals of scheelite, especially on or near the foot and hanging walls. Scheelite is not as noticeable near the center of the vein. Progressing northward along the vein underground the west dip of the vein gradually steepens. At the crosscut the dip is between 35° and 40° to the west; at the north face it steepens to 60°-65° to the west on the hanging wall side and from 75°-85° on the footwall side. As the vein steepens and thins to the northward the quartz filling also thins and steepens until at about 150 feet from the crosscut it disappears; only thin stringers of the quartz can be traced sporadically to the north face. Scheelite mineralization also decreases after the quartz vein becomes very thin, and at the north face where the vein is about 2 feet wide and composed of iron-stained altered and decomposed rock and gouge material, the crystals of scheelite are very sparse and difficult to find in either the vein or the walls.

Scheelite mineralization can only be detected in the vein and the walls by using the fluorescent or "black light." Otherwise the crystals would go unnoticed or probably be mistaken for feldspar. Commercial scheelite ore pockets are scarce along the length of the vein and can be determined only from assay data. Assay values are very erratic laterally and only a few small spots can be considered minable ore (see pl. 1). Inasmuch as the mineralization of scheelite is very erratic along the strike of the vein, it is quite probable that it will also be erratic down the dip. The weighted average grade of samples taken by the examining team underground from the main vein and from the walls was less than 0.1 percent WO_3. It would be hazardous to predict a higher grade at depth down the dip.

The vertical shaft, 80 feet northwest of the portal, is reported to have intersected the main vein at a depth of 100 feet, and a dump sample assay indicates that a scheelite vein was mined.

The main vein in the drift has been stoped at its widest part to the surface 77 feet above the tunnel level. Assuming that the vertical shaft is on the same vein, it would indicate that the main vein has a lateral extent down dip for at least 180 feet. How much of this vein has been stoped from the vertical shaft cannot be determined as the shaft is inaccessible.

The last 63 feet of the drift north is within the boundaries of the neighboring Eagle Quartz Claim (see pl. 1) as delineated by a recent transit survey by S. M. Weaver, professional engineer. This claim is not controlled by the applicant. Very little scheelite was visible with the light north of this boundary line. The scheelite mineralization therefore appears to be limited along the strike from the crosscut northward to the boundary line of the Eagle Quartz, a distance of about 130 feet.

APPLICANT'S PROPOSAL

The applicant proposes to unwater and retimber the shaft, clean out the lower workings, and advance the drift from the shaft for a distance of 200 feet.

A summary of the applicant's proposed exploration and costs are given below and appear in the applicant's proposal as item 6:

Construct 15' x 15' frame engine building	$ 350.00
Retimber shaft	3,000.00
Construct headframe 24' high and 10' wide	300.00
Drifting, 200' @ $35/ft.	7,000.00
Independent Contracts	$ 10,650.00
Consultants	$ 500.00
Rail - 800' (includes splice bars and ties)	800.00
Sinking Cage	900.00
Ventilation pipe - 450' @ $0.50/ft.	225.00
Assaying - analytical work	500.00
Contingencies	425.00
Total	$ 14,000.00

CONCLUSIONS

As noted on the map, the last 63 feet of the north drift on the main vein is within the patented Eagle Quartz claim and is not included in the application. The proposed 200 feet of drifting from the bottom of the shaft if drifted northward would extend beyond the applicant's property. There is no evidence to support the idea that the mineralized vein rakes to the south and drifting could be carried on southward. There is nothing to indicate how much stoping has already been done on the vein from the bottom of the old shaft. The assays taken of the vein in the main drift shows most of the scheelite to be below ore grade.

A few large pieces of soft pyritic scheelite ore found on the shaft dump, and estimated to contain 3 to 5 percent scheelite, indicate that some scheelite of ore grade was found in the shaft workings. However, there is not enough of this material to offset the low assays of the other samples or to justify drifting so close to the property line.

Therefore, the examiners recommend that the application be denied.

Attachment 1

Distribution:
- DMEA (4)
- USBM (5)
- USGS (SRO)
- Docket
- Sample

Docket

RECEIVED
OCT 26 1956

xxxxxxxxxxxxxxxxxx

So. 157 Howard Street
Spokane 4, Washington

October 22, 1956

WSM

Mr. Stuart Mayo, President
Schee-Ranium Mines, Inc.
Tonasket, Washington

Re: Docket No. DMEA-4436 (Tungsten)
Four Metals Group
Okanogan County, Washington

Dear Mr. Mayo:

Thank you for your letter of October 9, concerning the examination of your property.

Arrangements have been made with Mr. James A. Eberlein to examine the property on Friday of this week. However, if it is not convenient he is to let us know. I am enclosing a copy of a letter we have written to Mr. Eberlein which explains the arrangements contemplated.

Very truly yours,

R. D. Sample
Geologist

cc: DMEA (2) w/incoming
USBM (2)

RECEIVED
OCT 26 1956

Schee-Radium Mines Inc.
Tonasket, Washington.
P.O. Box 329

Oct. 23 1956

Mr. A.B. Weissenborn
Executive Officer, DMEA.
South 157 Howard St.
Spokane, Wash.

DMEA

Re: Docket No. DMEA 4436 - Tungsten
Four Metals Group
Okanogan County, Washington.

Dear Mr. Weissenborn:

We received a letter from the DMEA at Washington, D.C. in regard to our loan, stating that your team would want to make an examination of the property.

If you could let me know a day or two ahead of your arrival, I would be glad to go up with you. We have a light plant there that would help you in your examination with a Mineral light.

You could write me a letter or phone me thru my next door most any evenning, her phone No. is 4170, Mrs. Nellie Howe and they would be glad to get me. About 6:30 or 7 o'clock would be the best time to get me.

Sincerely yours,

Stuart Mayo

PS. I live 1½ miles North of Tonasket on the East side of the river, in a basement house.

DOCKET
SURNAME
400 Holt
Martin
Kilgaard
Lahr
Selfridge

OCT - 3 1956

Schee-Ranium Mines, Inc.
Tonasket, Washington

Re: Docket No. DMEA 4436 - Tungsten
Four Metals Group
Okanogan County, Washington

Gentlemen:

The above-docketed application for exploration assistance for tungsten ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, Northwest District, South 157 Howard Street, Spokane 4, Washington, for a field examination of the property.

Any assistance that you can give the members of the Field Team will be appreciated.

Returned herewith are the claim map and four assay certificates sent to us, at our request, with your letter of September 19, 1956, for which we thank you.

Sincerely yours,

C. O. Mittendorf

Administrator

SPHolt:fec 10/1/56

Enclosures

cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. I - NW DIST.
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

P.C.K.

Tonasket, Washington
September 19, 1956

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

Re: Docket No. [illegible], Complaint [illegible]
dating Okanogan County, Washington

Gentlemen:

We are enclosing information [illegible]
September 11, 1956 from Mr. [illegible]

Regarding [illegible]
[illegible]

[illegible]

[illegible]

Most of the [illegible]
only certain mineral [illegible]
from these old sprayed [illegible]

Regarding [illegible]
number [illegible]
[illegible] by [illegible]
of the map [illegible]

[illegible]
[illegible]

M HAMMOND

WALTER F EVERL

McCARTHY LABORATORIES

ASSAYERS AND CHEMISTS

METAL AND NON-METALLIC ORE TESTING
ASSAYING AND CHEMICAL ANALYSIS

P. O. BOX 504 PHONE 2-1700
W. GRANITE ST. • BUTTE, MONTANA

SPECTROGRAPHIC ANALYSIS
SHIPPERS REPRESENTATIVES

Mr. Stuart Mayo June 2, 1955

No.	DESCRIPTION	Per Ton of 2000 Lbs. Ozs. Gold	Gold at	Ozs. Silver	Per Cent Copper	Per Cent Lead	Per Cent Zinc	Per Cent Silica	Per Cent Iron	Per Cent
	Spectrographic Analysis									
	Major elements - Vanadium Iron				10 - 90					
	Minor elements - Silica + Ca - Mn -				-					
	Trace elements - Lead ++ Tungsten + Aluminum Magnesium, Boron Pot									
	Silver Zinc Titanium Phosphorus									

Charges $

Respectfully,

ROY M. HAMMOND

WALTER F. EVERL

McCARTHY LABORATORIES

ASSAYERS AND CHEMISTS

METAL AND NON-METALLIC ORE TESTING
ASSAYING AND CHEMICAL ANALYSIS

P. O. BOX 201
27 W. GRANITE ST. • BUTTE, MONTANA

PHONE 2-1788

SPECTROGRAPHIC ANALYSIS
SHIPPERS REPRESENTATIVES

Mr. Stuart Mayo May 5, 1955

No.	DESCRIPTION	Per Ton of 2000 Lbs. Ozs. Gold	Gold at	Ozs. Silver	Per Cent Copper	Per Cent Lead	Per Cent Zinc	Per Cent Silica	Per Cent Iron	Per Cent MO_3
	Shamrock			0.7		1.6				0.02
	Shamrock			0.4		0.4				0.75

Charges $4.00 Paid

Respectfully,

WALTER F. EST

McCARTHY LABORATORIES

ASSAYERS AND CHEMISTS

METALLIC ORE TESTING
AND CHEMICAL ANALYSIS

P. O. BOX 201 PHONE 2-1788
27 W. GRANITE ST. • BUTTE, MONTANA

SPECTROGRAPHIC ANALYSIS
SHIPPERS REPRESENTATIVE

Mr. Ivo June 1, 1955

DESCRIPTION	Per Ton of 2000 Lbs. Ozs. Gold	Gold at	Ozs. Silver	Per Cent Copper	Per Cent Lead	Per Cent Zinc	Per Cent Silica	Per Cent Iron	Per Cent
brook			1.0		0.75				
"			0.4		0.50				
"			0.5		0.70				0.
"			1.0	Trace	0.20				0.
"			1.8	0.01	1.05				
			0.7	Trace	0.60				

pectrographic analysis report will follow soon.

orry for the long delay in the assays but did not receive the [illegible]
ay 27 . I think that you will get much faster service by using
Rail way Express.

Charges $55.37 Paid $46.50 Bal. $8.87

Respectfully,

HAMMOND

WALTER F. EVER

McCARTHY LABORATORIES

ASSAYERS AND CHEMISTS

METAL AND NON-METALLIC ORE TESTING
ASSAYING AND CHEMICAL ANALYSIS

P. O. BOX 304 PHONE 2-1[illegible]
37 W. GRANITE ST. • BUTTE, MONTANA

SPECTROGRAPHIC ANALYSIS
SHIPPERS REPRESENTATIVE

Mr. Stewart Mayo June 18, 1955

No.	DESCRIPTION	Per Ton of 2000 Lbs. Ozs. Gold	Gold at	Ozs. Silver	Per Cent Copper	Per Cent Lead	Per Cent Zinc	Per Cent Silica	Per Cent Iron	Per Cent

Vanadium on the composite sample of 9 Shamrock samples is 12.2 Vanadium

Sorry for the delay but I have been away on vacation and as so often happens when someone new takes over one's work some things get overlooked and your sample happened to be one of the things overlooked.

The listing under each classification does not necessarily mean that the elements are in the order of their percentage as in this case the Iron is evidently much higher than the Vanadium although they are listed as the two major elements in the sample.

Charges $.....

Respectfully,

Docket

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

RECEIVED
SEP 12 1956

Date September 10, 1956

DMEA Docket No. 4436 WSM
DMEA Contract No.
Commodity Tungsten
Name of applicant Schee-Ranium Mines, Inc.
Name of property Four Metals Group
Location of property Tonasket, Washington
Estimated cost of project $14,000

Copy retained 400

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA MR
Through: Actin Chief, Br. of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Br. of Ferrous Metals & Ferroalloys

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 8/27/56. 2. Date received by reviewer: 8/30/56

3. Prior reports on this property known to reviewer: Yes [x], No [ ].

4. Prior reports on nearby properties known to reviewer: Yes [x], No [ ].

5. Information available on past production: Yes [ ], No [x].

6. Other pertinent factors known to reviewer: Yes [ ], No [x].

7. Explain items marked yes above:

On file at College Part (File 0.31) Four Metals Group, Okanogan County, Washington, USGS

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [x]
   d. Geology [ ]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. _____ [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [x]
   c. Denial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary) The item 7 report is unpublished, confidential examination report by S. W. Hobbs, U. S. Geological Survey, Aug. 20, 1943 (4 pages and map.). New examination is probably unnecessary but field team recomendations would be desirable.

R W Holliday
R. W. Holliday

Docket

Tonasket, Washington
September 19, 1956

RECEIVED
SEP 24 1956

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

WBM

Re: Docket No. DMEA-4436, Tungsten Shamrock, et al.
claims Okanogan County, Washington

Gentlemen:

We are enclosing information requested in your letter of September 11, 1956 from Mr. Frank E. Johnson, Acting Administrator.

Request number one has been filled by the enclosure number one in this letter.

Request number two is also shown on our enclosure number one.

Request number three can best be answered by the explanation that at the time the property was worked, lead and silver were the only metals mined and no tonnage or grade of ore data is available on these old operations.

Request number four is being taken care of by our enclosure number two. These assay reports can be traced as to location in the tunnel by reference to the information in the upper right hand corner of the map, enclosure number one.

Please note in your files that we would like to have all maps and assay sheets returned to us when you have finished with them.

Note

Very truly yours,

SCHEE-RANTUM MINES, INC.

James A. Eberlein

James A. Eberlein, Sec-Treas

Enclosures - Two

9/24/56
applicant wants maps & assay sheets returned. Note further file

400

Docket
Chapman
Martin
Selfridge

SEP 12 1956

Mr. Stewart G. Mayo, President
Schee-Ranium Mines, Inc.
Tonasket, Washington

Re: Docket No. DMEA-4436, Tungsten
Shamrock, et al. claims
Okanogan County, Washington

Dear Mr. Mayo:

Reference is made to the subject application for exploration assistance in exploring the subject property.

It will be appreciated if you will supply additional data, needed for processing your application, as follows:

1. A sketch map of claims, with relative position of workings.

2. Relative elevations of shaft and tunnel.

3. Any available data as to the tonnage and grade of ore shipped from shaft and tunnel.

4. Assay returns for tungsten from any samples you have taken, with location of samples and the width of vein.

Sincerely yours,

Frank E. Johnson
ACTING Administrator

cc: Docket
Code 400
Adm. Read. File
Thor Kiilsgaard, USGS
R. W. Holliday, USBM
FT, Reg. I-NW Dist.

TLChapman/ls
9/10/56

R.G.S.

Docket

IN REPLY REFER TO:

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

August 29, 1956

Re: DMEA 4436
Schee-Ranium Mines, Inc.
Four Metals Group
Okanogan County, Washington
$14,000 - Tungsten

Copy retained 400

Memorandum

WSM

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application.

The applicant requests assistance in rehabilitating an old 110 foot silver-lead mine shaft and extending a 100-foot drift, at the bottom, 200 feet. A 280-foot drift on the vein from a 60-foot crosscut exposes a scheelite-bearing contact metamorphic vein zone between granite (hanging wall) and limestone. The application says "...good quantities of mining grade ore show in the tunnel," but no sampling results confirm the statement. Confirming evidence should be requested.

Referral of the application to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

August 27, 1956

Schee-Ranium Mines, Inc.
Tonasket,
Washington

Subject: DMEA-4436
Re: Exploration Assistance
Four Metals Group

Gentlemen

The receipt of your application dated August 16, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4436 and referred to the Iron and Ferro-Alloys Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Allen S. Dakan
~~XXXXXXXXXXXXXXXX~~, Chief
Operations Control and
Statistics Division

August 27, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region I,NW

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region I,NW.

DMEA
-4436 Schee-Ranium Mines, Inc.
Four Metals Group

Robert S. Adams
Chief, Operation's Control
and Statistics Division

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a ti
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Stores & Shipping Room 1070	RUN		RUN
	STOP		STOP
	RUN		RUN
	STOP		STOP
	RUN		RUN
PMEA	STOP		STOP
	RUN		RUN
	STOP		STOP
	RUN		RUN
	STOP		STOP
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	STOP		STOP
	RUN		RUN
	STOP		STOP

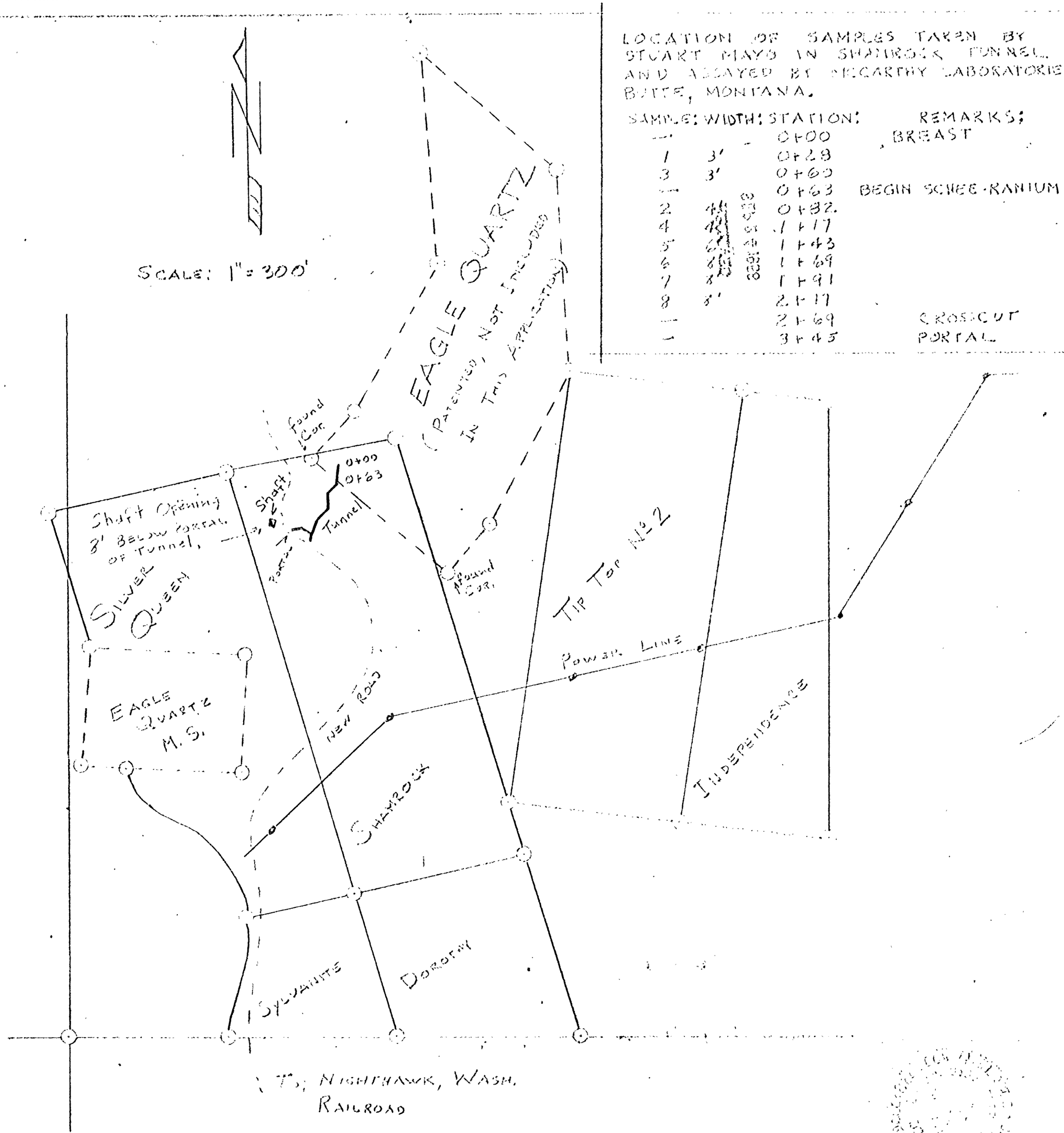
Send surplus envelopes to supply room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.

LOCATION OF SAMPLES TAKEN BY STUART MAYO IN SHAMROCK TUNNEL AND ASSAYED BY McCARTHY LABORATORIES, BUTTE, MONTANA.

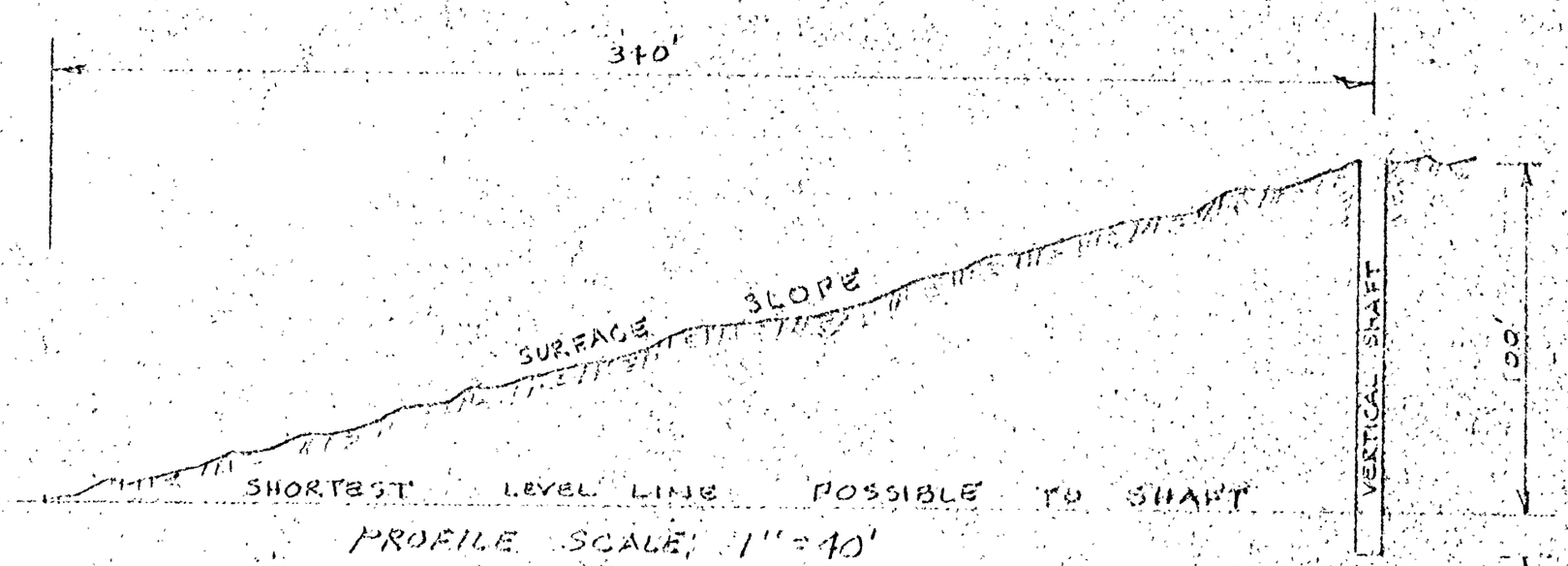
SAMPLE:	WIDTH:	STATION:	REMARKS:
—		0+00	BREAST
1	3'	0+28	
3	3'	0+60	
—		0+63	BEGIN SCHEE-RANIUM MINES
2	4'	0+82	
4	4'	1+17	
5	6'	1+43	
6	4'	1+69	
7	8'	1+91	
8	8'	2+17	
—		2+69	CROSSCUT
—		3+45	PORTAL



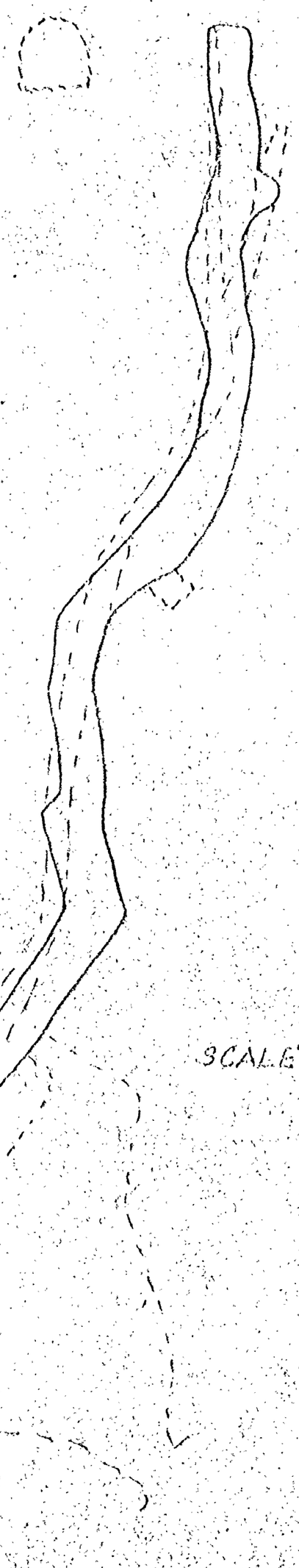
SCHEE-RANIUM MINES, INC.

SHAFT & TUNNEL LOCATION BY: STANLEY M. WEAVER, C.E., SEPT. 17, 1956.

1956 Exhibit #1



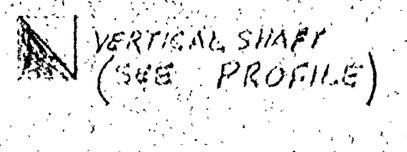
PROFILE SCALE: 1" = 40'

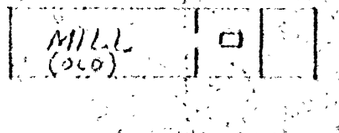


NOTE

PROFILE AS SURVEYED BY STANLEY M. WEAVER, CIVIL ENGINEER, OROVILLE, WASH. 7/14/56. BALANCE OF THIS MAP COMPILED FROM EXISTING DATA.

SCALE: 1" = 20'

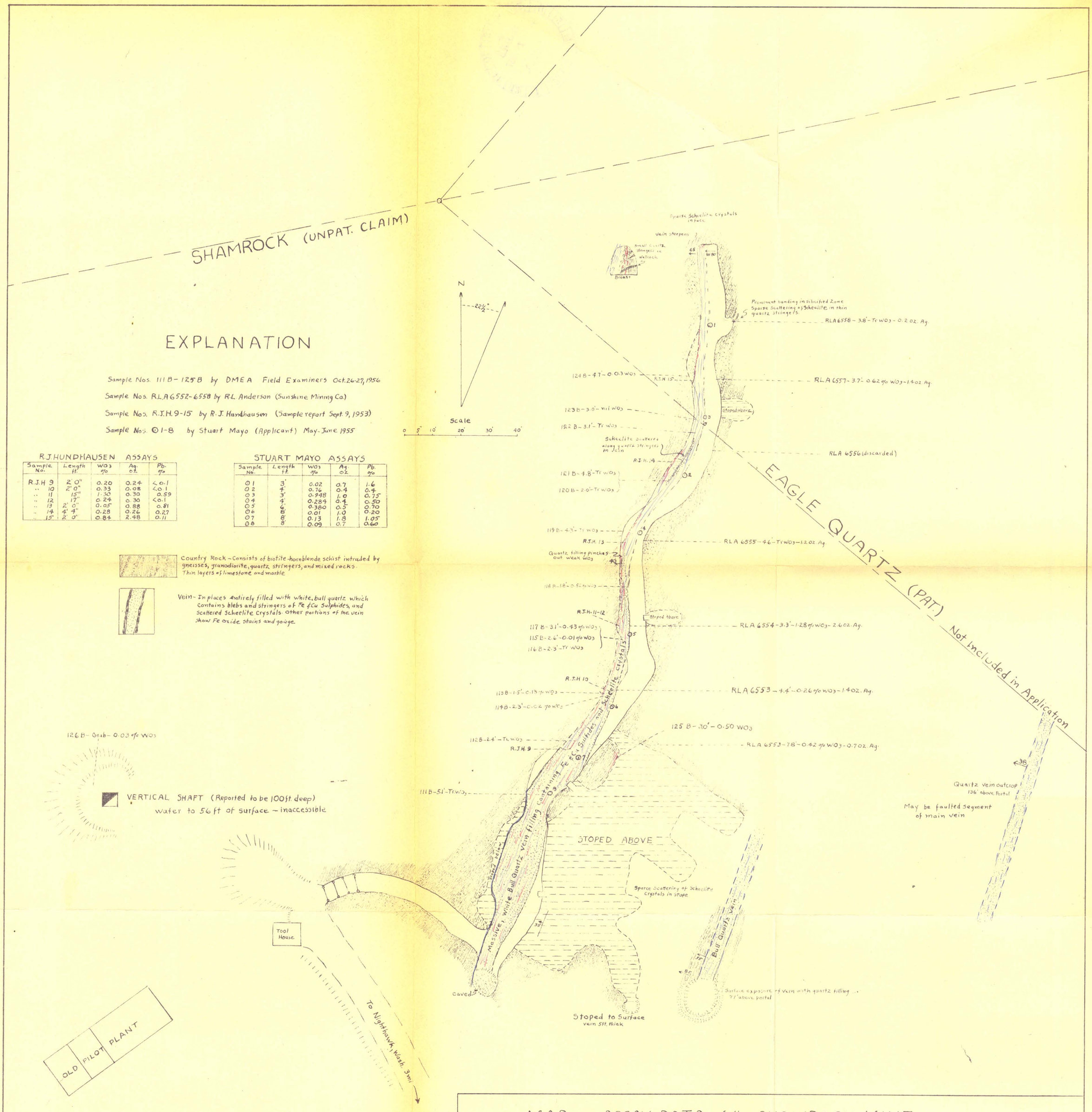




SHAMROCK MINE - SCHEE-RANIUM MINES, INC. (FORMERLY FOUR METALS PROPERTY)

U.S. DEPARTMENT of the INTERIOR

Docket No. D.M.E.A. 4436
(Tungsten)



EXPLANATION

Sample Nos. 111B – 125B by DMEA Field Examiners Oct. 26-27, 1956

Sample Nos. R.L.A 6552-6558 by R.L. Anderson (Sunshine Mining Co.)

Sample Nos. R.J.H. 9-15 by R.J. Hundhausen (Sample report Sept. 9, 1953)

Sample Nos. 01-8 by Stuart Mayo (Applicant) May-June 1955

R.J. HUNDHAUSEN ASSAYS

Sample No.	Length ft.	WO3 %	Ag. oz.	Pb. %
R.J.H 9	2' 0"	0.20	0.24	<0.1
" 10	2' 0"	0.33	0.08	<0.1
" 11	15"	1.30	0.30	0.59
" 12	17"	0.24	0.30	<0.1
" 13	2' 0"	0.05	0.88	0.81
" 14	4' 4"	0.28	0.26	0.27
" 15	2' 0"	0.84	2.48	0.11

STUART MAYO ASSAYS

Sample No.	Length ft.	WO3 %	Ag. oz.	Pb. %
01	3'	0.02	0.7	1.6
02	4'	0.76	0.4	0.4
03	3'	0.948	1.0	0.75
04	4'	0.284	0.4	0.50
05	6'	0.380	0.5	0.70
06	8'	0.01	1.0	0.20
07	8'	0.13	1.8	1.05
08	8'	0.09	0.7	0.60

Country Rock – Consists of biotite-hornblende schist intruded by gneisses, granodiorite, quartz stringers, and mixed rocks. Thin layers of limestone and marble

Vein – In places entirely filled with white, bull quartz which contains blebs and stringers of Fe & Cu Sulphides, and scattered Scheelite Crystals. Other portions of the vein show Fe oxide stains and gouge.

126B – Grab – 0.03 % WO3

VERTICAL SHAFT (Reported to be 100 ft. deep) water to 56 ft of surface – inaccessible

MAP and ASSAY DATA of the SHAMROCK MINE

SCHEE-RANIUM MINES, INC. (Four Metals Group)

OKANOGAN COUNTY, WASHINGTON

By R.D. Sample and E.W. Parsons, Nov. 1956

PLATE I