

March 12, 1941

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

MOCK CREEK CLAIMS (Hg & W)

UPPER APLEGATE AREA

The amount of work done, and the amount the vein was exposed were slightly misrepresented, or the trip would not have been made at this time. With only 5 feet of the vein exposed, and the country heavily brushed and timbered, it is impossible to arrive at any pertinent conclusions.

Except that scheelite may be panned from the material dug from the vein. Assays are being run by Lewis at present. Two samples were cut, - one across the vein, 36 inches; the other across a portion of the vein, 31 inches. Mitchell had submitted a sample cut across the vein, width 56 inches. These three samples will give an estimate of the vein at this point, - three samples in 5 feet.

It will be difficult to find any definite dope on the cinnabar. It seems to be so widely disseminated and the country is so difficult to prospect, that it is doubtful if more will be done with it.

Recommendations to Mitchell were to drift on the scheelite vein to the west (into the hill) a short distance, in order to determine whether the vein continues; to see if the values hold up and continue, and to get into "solid rock". The material exposed is all badly weathered.

It is an interesting occurrence. Particularly with cinnabar and scheelite both present. Undoubtedly the cinnabar is post-scheelite, and the two have no correlation.

Ray C. Treasher,
Field Geologist,
March 11, 1941.

Trip and Inspection made with Preston Hetz, U.S.G.S.

March 12, 1941

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

check

MOCKS GULCH CLAIMS (Mercury & Tungsten)

UPPER APPLLEGATE AREA

Owners: Russell Mitchell and D. A. Wright, Jacksonville, Oreg.

Location: NW SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 40 S., R. 4 W., west of Brush Cr.,
a tributary of Carberry Cr. Elev. 3400 feet.

Area: Two claims.

History: The scheelite vein opening was made in 1917 by a man who
"doodle-bugged" the locality for gold. No work was done
on the property.

Development: Five small open cuts. The largest is about 50 ft. long
The scheelite vein is opened for a length of 5 feet and
a width of 3 feet.

Geology: Country rock is metavolcanic, of the Applegate (Paleozoic?)
series of the Grants Pass geologic map. Heavy brush and soil
cover obscures practically all outcrops. One outcrop of a
sheared pyroclastic, metamorphosed, showed the schistosity trend as
N. 35 E., with a N.W. dip at a high angle. The metavolcanic rock is
deeply weathered and iron stained.

Cinnabar is present in portions of the metavolcanic rock, but no
evidence of concentration was noted. All cuts showed some cinnabar
but the grade is low. (1-2 lb.) Cinnabar seen is present on fracture
planes as smears or "paint". It is present in the wall rock at the
scheelite vein.

Scheelite occurs in a vein that is 3 feet wide, and is exposed
for a length of 5 feet. The vein or shear zone has well defined walls
and seems to be sheared metavolcanic rock. The vein strike is E-W
and dips due south 70°. Good scheelite "strings" can be obtained by
panning.

Ray C. Treasher,
Field Geologist,
March 11, 1941.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

Baker

SAMPLE INFORMATION REQUESTED.

Grants Pass

The law passed by the Legislature, governing the free assaying and analyzing of samples sent to the State Assay Laboratories, provides that certain information be furnished the Laboratory regarding samples sent for assay, etc. A copy of this law will be found on the back of this blank. Please read the law carefully. Will you please fill in the information called for on the following blank, as far as possible and return the same to the nearest State Assay Laboratory along with your sample? If you have made out a blank, this copy is for your future use. Keep a copy of the information on each sample for your own reference.

Your name in full Ray C. Treasher, Field Geologist, S.D.G. & M.I.

Postoffice address Grants Pass, Oregon.

Are you a citizen of Oregon? Yes. Date on which sample is sent March 11, 1941.

Name (or names) of owners of the property Russell Mitchell & D. A. Wright

Name of particular claim and date of location Mock Creek Gulch Claims

Location of property or source of sample (describe as accurately as possible below):

(1) County Jackson (2) Mining district Upper Applegate

(3) Township 40. S. (4) Range 4. W. (5) Section 17 (6) Quarter Section SW 1/4 NE 1/4

How far from passable road? 1/4 mile

Do you wish the sample examined for commercial minerals? Yes

For what metals do you wish the sample assayed? Tungsten
#1 - across vein 36 inches #2 - across vein 31 inches

Type of sampling: Channel (length) Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) Ray C. Treasher

DO NOT WRITE BELOW THIS LINE -- FOR OFFICE USE ONLY -- USE OTHER SIDE IF DESIRED

Description Vein is exposed for 5-ft. length and averages 36 inches wide. Vein is sheared metavolcanic rock (?) with well defined walls. Country rock is metavolcanic. Vein strikes E-W and dips S. 70°

Sample Number	GOLD		SILVER		Percent	Percent
	oz./ T	Value	oz./ T	Value		

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number BG-300
301

Grants Pass, Oregon

~~Baker xxx Oregon xxx~~

April 5 1941

Sample submitted by R. C. Treasher, Field Geologist, State Assay Laboratory
Grants Pass, Oregon

Sample description Two samples of highly altered, meta-volcanic rock.

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results given below are from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		WO ₃ (Tungstic) acid		Percent	Value	Total Value
	Ounces per ton	Value	Ounces per ton	Value	Percent	Value			
1					2.26	\$45.36			
2					Trace				

Market Quotations:

Gold ¢ per oz.
Silver ¢ per oz.
 ¢ per oz.
 ¢ per oz.

STATE ASSAY LABORATORY

Albert A. Lewis
Assayer

Tungsten ore: per unit of WO₃..... \$24.00

Note: A long ton unit equals 22.4 lbs.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number _____

Grants Pass, Oregon
~~Baker, Oregon~~

April 5 1941

Sample submitted by Russell Mitchell

Jacksonville, Oregon

Sample description Highly altered, ocherous rock. $\frac{3}{4}$ lb. $\frac{1}{2}$ inch and smaller.

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results given below are from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		WO ₃ (Tungstic) acid		Percent	Value	Total Value
	Ounces per ton	Value	Ounces per ton	Value	Percent	Value			
	Trace		None		0.45				

Market Quotations:

Gold per oz.
Silver per oz.
 per oz.
 per oz.

STATE ASSAY LABORATORY

Albert C. Lewis
Assayer

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

Baker

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Your name in full Milton F. Murphy

Postoffice address Applegate, Oregon

Are you a citizen of Oregon? yes Date on which sample is sent Dec. 11, 1941

Name (or names) of owners of the property M. F. Murphy

Name of particular claim and date of location

Location of property or source of sample (describe as accurately as possible below):

(1) County Jackson (2) Mining district Steamboat

(3) Township 40 . (4) Range 4 W. (5) Section 17 . (6) Quarter Section

How far from passable road? 1/2 mile

Do you wish the sample examined for commercial minerals? yes

For what metals do you wish the sample assayed? tungsten & mercury

Type of sampling: Channel (length) yes . . Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) M. F. Murphy

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Description A brown weathered rock showing some cinnabar.

Sample Number	GOLD		SILVER		Mercury Percent	Tungstic oxide (WO ₃) Percent
	oz./ T	Value	oz./ T	Value		
					4.3 #/T.	0.2

D6 1341

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M055849
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 INFORMATION SOURCE... BAILEY, E. H.
 MAP CODE NO. OF REC..

REPORTER

NAME..... PETERSON, JOCELYN A.
 DATE..... 76 08
 UPDATED..... 81 02
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... MOCKS GULCH PROSPECT
 SYNONYM NAME..... MAX GULCH

MINING DISTRICT/AREA/SUBDIST. UPPER APPLGATE

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... JACKSON
 DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS

QUAD SCALE QUAD NO OR NAME
 1: 62500 RUCH

LATITUDE LONGITUDE
 42-05-35N 123-11-58W

UTM NORTHING UTM EASTING UTM ZONE NO
 4659900. 483500.0 +10

TWP..... 040S
 RANGE..... 004W
 SECTION.. 17
 MERIDIAN. WILLAMETTE

ALTITUDE.. 3400

LOCATION COMMENTS: SW/4 NE/4

MAIN COMMOD..... HG
MINDR COMMOD..... W

ORE MATERIALS (MINERALS, ROCKS, ETC.):
CINNABAR, SCHEELITE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2
PROPERTY IS INACTIVE
YEAR OF DISCOVERY..... 1917
PRESENT/LAST OWNER..... R.A. MITCHELL & D.A. WRIGHT

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
MINERALIZED SHEAR ZONE
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 3 FT
STRIKE OF OREBODY.... E
DIP OF OREBODY..... 70 S

COMMENTS(DESCRIPTION OF DEPOSIT):

SHEAR ZONE PROSPECTED MAINLY FOR SCHEELITE; CINNABAR OCCURS LOCALLY COATING FRACTURE SURFACES IN THE SHEAR ZONE AND IN THE WALL ROCKS

DESCRIPTION OF WORKINGS
SURFACE AND UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):
WORKINGS INACCESSIBLE

PRODUCTION
NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... METAVOLCANICS

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: APPLGATE GROUP

SIGNIFICANT ALTERATION:
DEEPLY WEATHERED METAVOLCANICS

RECEIVED

BG 1341

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

SAMPLE INFORMATION REQUESTED.

Grants Pass

DEC 11 1941

Baker

STATE ASSAY LABORATORY

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Your name in full *M. F. Murphy*

Postoffice address *Applegate Ore*

Are you a citizen of Oregon? *yes* Date on which sample is sent *Dec. 11*

Name (or names) of owners of the property *M. F. Murphy*

Name of particular claim and date of location *Dainboew*

Location of property or source of sample (describe as accurately as possible below):

(1) County *Jackson* (2) Mining district *Steamboat*

(3) Township *4.6* (4) Range *4.4* (5) Section *17* (6) Quarter Section

How far from passable road? *1/2 mile*

Do you wish the sample examined for commercial minerals? *yes*

For what metals do you wish the sample assayed? *Tungsten + Mercury*

Type of sampling: Channel (length) *yes* Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) *M. F. Murphy*

DO NOT WRITE BELOW THIS LINE -- FOR OFFICE USE ONLY -- USE OTHER SIDE IF DESIRED

Description *a brown weathered rock showing some cinabar*

Sample Number	GOLD		SILVER		MERCURY	Tungsten	Oxide (WO ₃)
	oz./ T	Value	oz./ T	Value	Percent	Percent	
					4.3 #/T	0.2	

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker

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Your name in full Ray C. Treasher, Field Geologist, S.D.G. & M.I.

Postoffice address Grants Pass, Oregon.

Are you a citizen of Oregon? Yes. Date on which sample is sent March 11, 1941.

Name (or names) of owners of the property Russell Mitchell & D. A. Wright

Name of particular claim and date of location Mock Creek Gulch Claims

Location of property or source of sample (describe as accurately as possible below):

(1) County Jackson (2) Mining district Upper Applegate

(3) Township 40. S. (4) Range 4. W. (5) Section 17. (6) Quarter Section SW 1/4 NE 1/4

How far from passable road? 1/4 mile

Do you wish the sample examined for commercial minerals?

For what metals do you wish the sample assayed? Tungsten.

#1 - across vein 36 inches #2 - across vein 31 inches

Type of sampling: Channel (length) Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) Ray C. Treasher

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Description Vein is exposed for 5-ft. length and averages 36 inches wide. Vein is sheared metavolcanic rock (?) with well defined walls. Country rock is metavolcanic. Vein strikes E-W and dips S. 70°

Sample Number	GOLD		SILVER		Percent	W O ₃ Percent
	oz./ T	Value	oz./ T	Value		
<u>1</u>					<u>Trace</u>	<u>2.26</u>
<u>2</u>						<u>Trace</u>

25 300 + 301

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

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Your name in full . . . Russell Mitchell
 Postoffice address Jacksonville Ore.
 Are you a citizen of Oregon? Yes . . . Date on which sample is sent . . . Jan 3, 1941
 Name (or names) of owners of the property R. Mitchell, D. G. Wright
 Name of particular claim and date of location . . . Max Gulch . . . Jan 1940
 Location of property or source of sample (describe as accurately as possible below):
 (1) County Jackson (2) Mining district Steamboat
 (3) Township 40S . (4) Range 4W . (5) Section 17 . (6) Quarter Section SE
 How far from passable road? . . . 3/4 mile
 Do you wish the sample examined for commercial minerals? . . . Yes
 For what metals do you wish the sample assayed? . . . Zinc, steel
 Type of sampling: Channel (length) 3 ft . Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) . . . Russell Mitchell

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Description Altered ochreous material containing a considerable amt. of scheelite and a small amount of cinabar. (Send property inspection form)

Sample Number	GOLD		SILVER		Percent	Percent		
	oz./ T	Value	oz./ T	Value				

Over Please

LAW RELATING TO FREE ANALYSIS OF ORES, MINERALS, ETC.

CHAPTER 179, Section 10, Oregon Laws 1937.

The department shall make, or cause to be made, quantitative determinations of ores and minerals when submitted for the purpose by citizens of the state, and shall mail to the sender the results obtained within 10 working days after receipt of samples; said service shall be performed by the department without charge to the sender and shall be rendered in exchange for information for the records of the department, stating the name and residence of the sender together with a history of the ore or mineral, giving as nearly as possible the location from which the sample was taken, including the name of the county, and any other matters that may be beneficial touching the same. All determination shall be performed under the following rules and regulations and subject to the following restrictions:

(a) No samples submitted by engineers sampling prospects or mines for the purpose of evaluation, or submitted by operating mines milling or shipping ore, or hiring labor, shall be accepted by the department for assay and/or analysis, except they be taken in the field by members of the department's staff in conducting the work of the department within the scope of this act. In no case shall samples from states other than Oregon be accepted.

(b) The number of samples which any single person or group of persons may submit shall be limited to two in any 30 day period and all samples shall be assayed or analyzed by the department in the order received, as far as possible.

(c) All information received and results of determination sent out shall be open to public inspection and may be published by the department.

(d) Before any work is done on the material submitted, all information required must be possessed by the department and the 10 day limit for reports will count from the time such data are received by the department.

This is a large vein 3 ft or more. It pans scheelite and cinnabar. I should like to know whether the iron is a tungstate. Will it be possible to have the engineers come out to give me some pointers on it soon? If he will drop me a card telling me when he can come, I'll be sure to meet him. Come to Steamboat on Carberry Creek. I have prospective buyers as soon as I can get an engineer's report.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

Baker

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Your name in full . . . Russell Mitchell

Postoffice address Jacksonville, Ore.

Are you a citizen of Oregon? Yes . Date on which sample is sent Mar. 3, 1941

Name (or names) of owners of the property R. Mitchell & D. A. Wright . . .

Name of particular claim and date of location Knox Star Gulch claim

Location of property or source of sample (describe as accurately as possible below):

(1) County Jackson (2) Mining district Stamboat

(3) Township 40S (4) Range 4W (5) Section 17 (6) Quarter Section NE

How far from passable road? . . . 3/4 mile

Do you wish the sample examined for commercial minerals? Yes

For what metals do you wish the sample assayed? Gold & Tungsten

Type of sampling: Channel (length) 36 in Grab Pipe

IMPORTANT: A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value; they create little interest in the minds of experienced investors and engineers.

(signed) Russell Mitchell

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Description Highly altered, ochreous material.
3/4 lb. 1/2" - Pans, scheelite.

Sample Number	GOLD		SILVER		WO ₂ Percent	Percent
	oz./ T	Value	oz./ T	Value		
	<u>Trace</u>		<u>None</u>		<u>0.45</u>	

138/192

MOCKS GULCH PROSPECT (7)

General

The Mocks Gulch prospect is located at an elevation of 3,400 feet in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 40 S., R. 4 W., Jackson County. The prospect is west of Brush Creek, a tributary of Carberry Creek in the Upper Applegate area.

The property has been prospected for both cinnabar and scheelite. Development work consists of 5 small open cuts. The largest of these is 50 feet in length. The only occurrence of scheelite is in a small cut which was opened in 1917.

Geology

The prospect is located in deeply weathered metavolcanic rocks of the Applegate group. No granitic intrusives are exposed in the immediate area; however, there is a small diorite intrusive approximately 2 miles to the southeast near Steamboat. The large Gray-back Mountain granitic stock is located about 4 miles west of the prospect. Scheelite occurs in a well-defined shear zone in the metavolcanic rocks striking east and dipping about 70° S. The zone is 3 feet wide and has been opened for only 5 feet along the strike. Cinnabar occurs in the wall rock of the zone and has been noted in small amounts elsewhere on the property, occurring along fracture planes in the metavolcanic rocks.