2810
Job No. 681

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

REPORT OF MINERAL EXAMINATION

Bratcher No. 10 Lode Claim

Colver F. Anderson
Mining Engineer

August 31, 1971

6200-7 (6/65)

U.S. GOVERNMENT PRINTING OFFICE : 1965 O—777-887

Report of Mineral Examination Job No. 681

Claimant:	Linzie A. Bratcher 1775 Ashland Mine Road Ashland, Oregon 97520
Reason for Examination:	Claimant wants to build an access road which will not cross private land.
Subject:	Validity of mining claims
Lands Involved:	Bratcher No. 10 lode claim, approximately 18 acres in Sec. 30, T. 39 S., R. 1 E., and Sec. 25, T. 39 S., R. 1 W., W.M., Rogue River National Forest, Jackson County, Oregon
Land Status:	National Forest land open to Mineral Entry
Location Data:	The Bratcher No. 10 claim was located by Linzie A. Bratcher, July 21, 1951, and recorded in Jackson County Mines Book 55, Page 436.
Mining District:	No organized district
Mining Engineer:	Colver F. Anderson
Date of Examination:	August 31, 1971
Accompanied By:	Mr. Bratcher, claimant Bill Harbaugh, Forester, Ashland Ranger Distric

ABSTRACT

This claim is about 8 miles from Talent, between Ashland and Medford, up Wagner Creek. The terrain is fairly steep and timbered.

The prevalent rock is diorite of the Mt. Ashland stock. The roots of numerous veins in this rock have attracted many prospectors but no profitable mines have been developed.

The subject claim has a fine quartz vein with mineral content too low to establish validity.

A discovery has not been demonstrated within the limits of the Bratcher No. 10 claim.

A special use permit for an improved access road is not in the best interest of forest management at this location.

Location and Topography

This claim is about 8 miles from Talent up the Wagner Creek road and a road which goes into the upper part of Horn Gulch.

The hillsides are steep but fairly level benches occur occasionally.

Surface Values

The benches are good meadowland, but timber on the hillsides is more valuable than any other surface use.

Areal Geology

The area of the claim is within the Mt. Ashland quartz diorite stock. The nearest contact with other rocks is 2 miles to the west.

Economic Geology

Mineralization is associated with the Mt. Ashland diorite. Better mineral zones are associated with the borders of intrusives and mainly in the intruded rocks. Veins found in the interior of intrusive rocks are the roots of veins which once extended into the overlaying intruded rocks. Values and volumes in such veins decrease as the distance from the contact zone into the diorite increases.

History and Production

The interior of the diorite mass has been subjected to prospecting for many years because of numerous quartz veins. The Skyline Mine is approximately one half mile northeasterly from the subject claim. Some millgrade gold ore was produced from this property but the volume available was never enough for a profitable operation. The production is estimated to have been only $1000. The ore was produced nearly 50 years ago.

There is no other known production from the area.

Occupancy

None

Discovery

The Bratcher #10 claim is located on a large quartz vein within the Mt. Ashland diorite stock. The best appearing mineralization is exposed in

the large cut across the vein near the center of the claim. Pictures 1 and 2 show the vein and sample location. The vein is well exposed on the northwest strike for several hundred feet. Minor amounts of pyrite can be found in the quartz.

In the big cut a gray mineral occurs in sufficient quantity to be ore if all of it is molybdenite. Judging from the two samples, A71-1 and A71-2, much of the gray mineral is something else. The probable other mineral is graphite. Both can be very similar in visual examination.

A select portion of the 10 feet thick vein was selected for one sample and a "high grade" grab from a bucket was used for the second sample. The amount of molybdenum in the high grade sample is not enough to pay an appreciable part of mining costs in a vein deposit such as this. A channel sample across the 10 feet of quartz vein instead of a select four feet, which A71-1 is, would probably show less than one half pound per ton of molybdenum with a value of less than 86 cents per ton. A friable quartz such as this vein is can be mined for about $10 per ton. Milling would be about at the same cost per ton.

Conclusions

The Bratcher #10 claim is located on a strong quartz vein containing minor amounts of molybdenite as the principal mineral. A vein in this geologic setting is expected to decrease in volume and value with increase in depth from the surface.

The values present do not constitute a discovery or a probable discovery.

Recommendations

The Forest Service is not justified in issuing a special use for road improvement to reach this claim.

The Government does not need to initiate a hearing under the existing circumstances.

4/9/73
Date

Colver F. Anderson
COLVER F. ANDERSON, Mining Engineer

APPROVED:

APR 13 1973
Date

MELVOY M. SUCHY
Acting Assistant Regional Forester

• MAR • 73

MAR • 73

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

BRATCHER #10 PROSPECT (SiO_2, Mo)

Jackson County
Ashland District

Owners: L. A. Bratcher and Charles Rooker, Ashland.

Location: NE¼ sec. 25, T. 39 S., R. 1 W., at about 4,100 feet elevation on the southwest side of Horn Gulch, a tributary to Wagner Creek. The prospect is reached via the Wagner Creek road, 5 miles south of Talent and then to the left on 3 miles of road to the prospect. The last ¼ mile of road above Horn Gulch is quite steep and passable by jeep only when dry.

Development: Workings consist of a 170-foot tunnel and a new surface excavation which exposes the vein in the gully. Three smaller cuts were made at various places on the vein northwest of the main workings.

Geology: The deposit is a pegmatitic quartz vein in a coarse-grained, dark-colored quartz diorite containing abundant biotite and hornblende. The vein strikes N. 30° W. and dips 57° NE. Where exposed in the main open cut above the tunnel the vein is 8 feet thick. The northeast side of the vein consists of 4 feet of highly fractured, iron-stained quartz, and the southwest half is a fractured iron-stained pegmatite with minor sulphides including pyrite and molybdenite. The quartz vein is exposed intermittently over a distance of about 1000 feet along the strike. It outcrops mainly on the x hillside northwest of the gully, where widths of 8 to 12 feet of fairly pure quartz are exposed. A prominent joint pattern has developed parallel to the walls of the vein. A 10-foot chip sample was taken across the vein at the cut located on the northwest side of the ridge about 800 feet northwest of the gully. The sample (RG-500, P-22167) assayed 99.35 percent SiO_2 and 0.02 percent CaO.

The tunnel trends almost due west for 90 feet where it intersects

the vein. It then drifts to the northwest along the vein for 50 feet, and from this point turns west into the footwall, a distance of 30 feet. Where exposed in the tunnel the vein is from less than 2 feet to about 4 feet thick. The pegmatite portion of the vein was not recognized in the tunnel. A minor amount of copper stain was noted.

Assay samples include the following: A 4-foot chip sample across the pegmatite (southwest side of vein in gulch cut, RG-501, P-22168) assayed 0.02 oz./ton Au, Trace Ag, and Trace Mo. A 4-foot chip across the quartz vein at the gulch cut assayed Nil in both gold and silver as did a 2½-foot chip sample on the vein in the tunnel. A high-grade sample of pegmatite with molybdenite on the fractures (RG-336, P-21661) assayed 2.00 percent Mo.

Additional sampling of the vein especially in the tunnel may indicate zones or shoots in the vein which contain better gold values. Trenching of the apparently wider portions of the quartz vein to see if greater widths are available as a possible source of silica may also be advisable.

Visited: 10/18/57 -- with L. A. Bratcher and Charles Rooker.

Report by: L. R. - 11/18/57.

* * * * * *

Addendum Report

BRATCHER SILICA No. 10 (SiO_2, Mo)

New development work by Bratcher and Bob Burns has exposed the persistent quartz vein for at least 1,500 feet along the strike and up to 15 feet depth. The vein averages about 8 feet wide but is up to 15 - 20 feet wide in places. Post vein faulting is apparent and slickensides showing dip-slip as well as small horizontal offsets have been exposed. A sample of iron-stained gouge at the contact of the vein and hanging wall was assayed with results as follows:

	Au	Ag
UG-105	Nil	Trace

Part of the excavation work was done by a group from Roseburg represented by H. K. Thurber.

Visited: 5/12/60 N.VP. & L.R.

* * * * * * * * * * *

ABG - 212 thru 216
Au, Ag

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417 G.P. DATE: 11/14/67

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
ABG-212	Bratcher 10 vein	5' channel	Ashland	NE¼ 25	39 S	1 W	Au, Ag
ABG-213	" " "	grab	"	"	"	"	Au, Ag
ABG-214	" " "	grab	"	"	"	"	Au, Ag
ABG-215	" " "	10' channel	"	"	"	"	Au, Ag
ABG-216	No. 1	4' channel	"	N. edge 25	"	"	Au, Ag

Descriptions:

ABG-212 - Sample across vein about 250 feet southeast from main pit includes fractured iron-stained vein quartz and clay.

ABG-213 - Grab from vein at surface 70 feet SE of ABG-212 is limonite gossan and fractured quartz.

ABG-214 - Grab from vein at surface 150 feet SE of ABG-213 is quartz limonite clay mixture.

ABG-215 - Cut across 8½ foot wide vein in dozer cut about 200 feet northwest of main cut and just above switchback - includes fractured vein quartz, limonite, and clay - minor pyrite.

ABG-216 - Cut across west side of split pegmatitic quartz vein on spur road about 1,000 feet west of sec. corner secs. 19, 24, 25, 30; includes quartz, clay, some limonite.

Results:

		GOLD		SILVER
		Oz./ton	Value	
P-32398	ABG-212	Nil	- -	Nil
P-32399	ABG-213	Trace	- -	Nil
P-32400	ABG-214	Nil	- -	Nil
P-32401	ABG-215	Nil	- -	Nil
P-32402	ABG-216	Nil	- -	Nil

11-22-67

RG - 336
Au, Ag, Mo

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street
Baker, Oregon

1069 State Office Building
Portland 1, Oregon

239 S.E. "H" Street
Grants Pass, Oregon

RG - 337
Au, Ag

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name in full N. V. Peterson (DOGAMI)

Post office address P.O. Box 417 Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 7-31-57

Name (or names) of owners of the property L. A. Bratcher

Are you hiring labor? No Are you milling or shipping ore? No

Name of claim sample obtained from Private property

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining District Ashland

Township 39 S Range 1 W Section 25 Quarter section NE¼

How far from passable road? Along Name of road private road logging road

	Channel (length)	Grab	Assay for	Description
Sample no. 1		x	Au, Ag, Mo	
Sample no. 2		x	Au, Ag	

(Samples for assay should be at least 1 pound in weight)

(Signed) N. V. Peterson

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

Sample Description #1 - Pegmatite with Mo coating on some fractures quartz and feldspar.

#2 - Gray vein quartz with pyrite in vugs and coating fractures.

Sample number	GOLD		SILVER		MOLYBDENUM			
	oz./T.	Value	oz./T.	Value	Mo			
P-21661 RG-336	Trace	- -	Nil	- -	2.00%	- - -	- - -	- - -
P-21662 RG-337	Trace	- -	Nil	- -	- - -	- - -	- - -	- - -

Report issued _____ Card filed _____ Report mailed 8-14-57 Called for _____

SIR-5

ASSAYS BRATCHER #10 AND VICINITY

Date	Assay No.	Sampler	Type	Location Sec. T. R.	Description	Results Oz./T Au	Oz./T Ag	% Cu	% Mo
5- 7-51	LG-165	Bratcher	grab	25 39 S. 1 W.	gossan	Tr	Tr	----	----
7-31-57	RG-336	N. V. Peterson	grab	Main cut	pegmatite	Tr	Nil	----	2.00
9-12-59	TG-221	Bratcher	grab	" "	quartz	Nil	Nil	----	----
5-13-60	UG-105	N. V. Peterson	chip	" "	quartz & limonite	Nil	Tr	----	----
9-13-63	XG-240	Bratcher	4 ft.	W. side of vein	quartz	Nil	Nil	0.20	0.05
"	241	"	4 ft.	E. side of vein	"	Nil	Nil	0.10	Tr
11-15-65	ZG-202	"	grab	N. of crosscut	"	Nil	Nil	0.10	Tr
"	203	"	"	S. of crosscut	"	0.02	Tr	0.50	Tr
1-25-66	P-30817	"	"		crushed & panned	0.20	Tr	0.50	0.01
6-14-66	AAG- 68	Ramp, L.	10 ft.	SE wall-main cut	quartz	Nil	Nil	----	Tr
"	69	"	10 ft.	25' NW of AAG-68	"	Nil	1.00	Tr	Tr
7- 7-66	P-31161	J. Hendricks	grab		mixed sulfides	Nil	Nil	----	0.05
2-13-69	ADG- 8	Bratcher	"		quartz & pyrite	Nil	0.20	----	----

See also ABG-212-216
and RG-500-503

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO..... M061958
RECORD TYPE..... XIM
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... 26
MAP CODE NO. OF REC..

REPORTER
NAME..... SMITH, ROSCOE M.
DATE..... 78 08
UPDATED..... 80 12
BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION
DEPOSIT NAME..... BRATCHER NO. 10

MINING DISTRICT/AREA/SUBDIST. ASHLAND

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

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

COUNTY..... JACKSON

QUAD SCALE	QUAD NO OR NAME
1: 62500	TALENT

LATITUDE	LONGITUDE
42-09-08N	122-45-48W

UTM NORTHING	UTM EASTING	UTM ZONE NO
4666500.	519550.	+10

TWP..... 39S
RANGE.... 01W
SECTION.. 25
MERIDIAN. WB & M

LOCATION COMMENTS: NE 1/4

COMMODITY INFORMATION
COMMODITIES PRESENT..... SIL MO AU AG CU

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):
POTENTIAL.....
OCCURRENCE..... AU AG CU MO

QUARTZ, PYRITE, MOLYBDENITE

ANALYTICAL DATA(GENERAL)
ODGMI SAMPLES ASSAYED NIL-0.20 OZ/TON AU; NIL-1.00 OZ/TON AG; NIL-0.50% CU; NIL-2.0% MO

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
PEGMATITE
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
MAX THICKNESS..... 15 FT

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):
170 FT ADIT

PRODUCTION
NO PRODUCTION
23 SAMPLES

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... LJUR-CRET
HOST ROCK TYPES..... QUARTZ DIORITE

LOCAL GEOLOGY
NAMES/AGE OF FORMATIONS,UNITS,OR ROCK TYPES
1) NAME: ASHLAND STOCK
AGE: LJUR CRET

GENERAL REFERENCES
1) RAMP, L., 1957, BRATCHER # 10; ODGMI UNPUBLISHED FILE REPORT

Table 3.

QUALITATIVE SPECTROGRAPHIC ANALYSES
(Quantities estimated to nearest power of ten)

Sample	Description	+ 10%	10% - 1%	1% - 0.1%	0.1% - .01%	.01% - .001%	Below .001%
No. 1 (P-8521)	Scheelite bearing-epidote-quartz tactite	Si	Al,Fe,Ca	Mg,Mn,W	Na,Pb,Ti,K,V,Sr	Ba,Cu,Cr,Mo,Ni	---
No. 2 (P-10164)	Diopside-garnet tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,Cr,V,Sr	Ba,Cu,W,Ni	B
No. 3 (P-10163)	Garnet-wollastonite tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,V,Sr	Ba,Cu,Cr,W,Ni	B
No. 4 (P-10159)	Quartz-diorite dike	Si	Al,Fe,Ca,Na	K	Mn,Pb,Ti,Cu,Ba,Sr	V,Cr,Ni	B,Mo
No. 5 (P-10165)	Epidote-quartz tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,Cr,V,Sr	Ba,Cu,W,Ni	B
No. 6 (P-10158)	Pegmatite dike	Si	Al,Fe,Ca,Na,K	---	Mn,Pb,Cr,Cu,Ba,Sr	V,Ti,Mo,Ni	B

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

June 29, 1950

General Laboratory Number P-9983 Date received _____

Spectrographic Laboratory Number _____ Sample received from F. W. Libbey
Bratcher W. property
(concentrate)

QUALITATIVE SPECTROGRAPHIC ANALYSIS
(Quantities estimated to nearest power of ten)

1. Elements present in concentrations over 10%.

   Silicon, aluminum, iron Tungsten

2. Elements present in concentrations 10% - 1%.

   Calcium

3. Elements present in concentrations 1% - 0.1%.

   Magnesium, sodium, potassium, manganese, titanium, [redacted]

4. Elements present in concentrations 0.1% - .01%.

   Zirconium, lead, molybdenum, vanadium, strontium

5. Elements present in concentrations .01% - .001%.

   Chromium, copper, boron

6. Elements present in concentrations below .001%.

   Nickel

Chemical by L L H
WO_3 11.70%

Thomas C. Matthews, Spectroscopist

TCh

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

June 29th 1950

General Laboratory Number P 9984 Date received

Spectrographic Laboratory Number Sample received from F. W. Libbey
Bratcher W Property
(tailings)

QUALITATIVE SPECTROGRAPHIC ANALYSIS
(Quantities estimated to nearest power of ten)

1. Elements present in concentrations over 10%.

Silicon, iron, aluminum

2. Elements present in concentrations 10% - 1%.

Magnesium, calcium, sodium

3. Elements present in concentrations 1% - 0.1%.

Potassium, titanium

4. Elements present in concentrations 0.1% - .01%.

Manganese, lead, tungsten, vanadium, barium, strontium

5. Elements present in concentrations .01% - .001%.

Zirconium, chromium, copper, boron

6. Elements present in concentrations below .001%.

Nickel

Chemical by LLH WO_3 0.01%

Thomas C. Matthews, Spectroscopist

TCh

RG - 341
Au, Ag

len

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street
Baker, Oregon

1069 State Office Building
Portland 1, Oregon

239 S.E. "H" Street
Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Post office address P.O. Box 417 Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 7-31-57

Name (or names) of owners of the property L. A. Bratcher

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from #9

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining District Ashland

Township 39 S Range 1 W Section 13 Quarter section NE¼

How far from passable road? 100 yards Name of road logging

	Channel (length)	Grab	Assay for	Description
Sample no. 1		x	Au, Ag	
Sample no. 2				

(Samples for assay should be at least 1 pound in weight)

(Signed) Len Ramp
By: NVP

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

Sample Description Disseminated sulphides in tactite zone -- country rock -- Applegate sets?

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
P-21666 RG-341	0.03	$1.05	Trace	--	---	---	---	---

Report issued _____ Card filed _____ Report mailed 8-14-57 Called for _____

SIR-5

NG-396
WO3

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street, Baker, Oregon | 1069 State Office Building, Portland 1, Oregon | 239 S.E. "H" St, Grants Pass, Ore

copy

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name in full L. A. Bratcher

Post office address Route 1 Box 17 Ashland, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 10-13-53

Name (or names) of owners of the property same

Are you hiring labor? No

Name of claim sample obtained from Deeded land

Are you milling or shipping ore? No

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining district Ashland

Township 39 S Range 1 E Section 18 Quarter section NW¼

How far from passable road and name of road

	Channel (length)	Grab	Assay for	Description
Sample no. 1	22'		WO_3	
Sample no. 2				

(Samples for assay should be at least 1 pound in weight.)

(Signed) L. A. Bratcher
By: DJW

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

Description Greenish brown epidote tactite containing disseminated scheelite.

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	TUNGSTEN WO_3			
P-15402 NG-396	- - -	- -	- - -	- -	0.19%	- - -	- - -	- - -

Report issued Card filed Report mailed 10-23-53 Called for

SIR-5

NG-353
WO3

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street, Baker, Oregon | 1069 State Office Building, Portland 1, Oregon | 239 S.E. "H" Street, Grants Pass, Oregon

Above

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name in full David J. White (DOGAMI)

Post office address P.O. Box 417 Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 9-15-53

Name (or names) of owners of the property L. A. Bratcher

Are you hiring labor?

Name of claim sample obtained from Bratcher Mine Property (deeded land)

Are you milling or shipping ore?

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining district Ashland

Township 39 S Range 1 E Section 18 Quarter section NW¼

How far from passable road and name of road Bratcher Mine road

	Channel (length)	Grab	Assay for	Description
Sample no. 1	10"		WO_3	
Sample no. 2				

(Samples for assay should be at least 1 pound in weight.)

(Signed) David J. White

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

Description Channel sample of a ten inch wide scheelite bearing zone in tactite lens about 800' N. of lens in old original workings.

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	TUNGSTEN WO_3			
P-15249 NG-353	- - -	- -	- - -	- -	0.15%	- - -	- - -	- - -

Report issued Card filed Report mailed 9-30-53 Called for

SIR-5

July 30

Butcher Tungsten -

Deposit is in tactite - ore between granite and Applegate sediments (?)

Location NE 1/4 sec. 13 T39S R W

Prospect 1 - appears to be a type of roof pendant or large block of gneiss type rock tactite surrounded by variety of hornblende rich diorite and granite - pegmatite type dikelets appear as stringers through rock. Epidote, garnet, tourmaline, feldspar quartz, biotite are prominent minerals. Scheelite has been reported from the hole.

The prospects are located in N½ sec. 13 and N½ sec 18 T. 39 S., R1E., and R1W.

Exploratory work consists of several bulldozer cuts which cross the strike of tactite zones near the contact of (diorite, granite) and Applegate sed. and Serpentine.

The tactite zones average about ten feet wide and normally, are

stained with iron oxides - They are often associated with and cut by pegmalite dikes.

Garnet, epidote, micas and quartz are the predominate minerals in the tactite zones - Relatively large amounts of magnetite were found in 2 cuts.

Bateke and Rooker reported scheelite in small ~~amt~~ to promising amounts in several of the tactites that have been opened.

In the NE¼ NW¼ sec 18. there is a small body of older serpentine and dunite that has been intruded by a diorite mass - along the contact a from 2 to 5 feet of good quality talc is found -

No real promising deposit were found - the talc could be commercial?

Talc - about $3.00 per ton.

THE TWINING LABORATORIES
2527 Fresno Street., Fresno, Calif.

Examination
235084

For - Mr. L. A. Bratcher
Rt. 1, Box 17
Ashland, Oregon

Lot 571 of scheelite concentrate (13 cans) sampled by Dominic Botta of The Twining Laboratories, on June 20, 1949.

Moisture----------Nil

Weight: Gross----------3497 lbs.
Tare---------- 78 lbs.
Mositure---------- Nil lbs.
Net dry weight-----34.9 lbs.

Units of WO_3 ----------109.10029

Analysis on moisture free basis -

Tungsten trioxide (WO_3) ----------	63.82%
Phosphorus (P) ----------	0.197%
Molybdenum (Mo) ----------	0.24%
as (MoO_3) ----------	0.36%
Sulphur (S) ----------	0.08%
Copper (Cu) ----------	0.01%

THE TWINING LABORATORIES

By Fred W. Twining

vy/es

THE TWINING LABORATORIES
2527 Fresno Street, Fresno, Calif.

June 27, 1949

Examination
235899

For - Mr. L. A. Bratcher
Rt. 1, Box 17
Ashland, Oregon

Sample - Tails

	- percent by weight
Tungsten trioxide, WO_3	0.15

THE TWINING LABORATORIES

By Fred W. Twining

vy/es

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

May 19, 1949

Sample submitted by H. D. Wolfe

Sample received on May 6, 1949

Analysis requested As reported

Analysis by:

Oregon State Dept. of Geology & Mineral Industries

Lab. No.	Sample Marked	Results of Analysis		Remarks
P-8512	JG-112	Tungsten (WO_3)	3.75% ✓	Bratcher Mine
		Beryllium (Be)	Nil	
		Tin (Sn)	Nil	
P-8513	JG-113	Tungsten (WO_3)	0.65% ✓	
		Beryllium (Be)	Nil	
		Tin (Sn)	Nil	

The Department did not participate in the taking of this sample and assumes responsibility only for the analytical results.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

June 8, 1949

Sample submitted by H. D. Wolfe

Sample received on June 2, 1949

Analysis requested Beryllium, Tungsten assay

Analysis by:

Oregon State Dept. of Geology & Mineral Industries

T. M. Lacy

Lab. No.	Sample Marked	Results of Analysis		Remarks
P-8618	JG-152	Beryllium (Be)	Nil	Bratchen Mine
		Tungsten (WO_3)	1.60%	
* * *	* * * *	* * * * * * * * * * * * * *		* * * * * * * * * * * * * *

The Department did not participate in the taking of this sample and assumes responsibility only for the analytical results.

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES KG-132-133
ASSAY LABORATORY

WO_3

REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full H. D. Wolfe

Post office address Box 417 Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 6/16/50

Name (or names) of owners of the property Ashland Mining Co.

Name of claim sample obtained from

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point.)

County Jackson Mining district Ashland

Township 39 S Range 1 E Section 6 Quarter section

How far from passable road and name of road

	Channel (length)	Grab	Assay for	Description
Sample no. 1	Grab sample taken from can of concentrates		WO_3	Mill concentrates
Sample no. 2	Grab sample taken at intervals in tailing pile		WO_3	Tailings

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded

(Signed) H. D. Wolfe

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

Description Sample of concentrates and tailings taken at the Ashland Mining Co. Mill on ore from the Bratcher Tungsten Mine.

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value	TUNGSTEN WO_3			
P-9983					11.70%			
KG-132 P-9984					0.01%			
KG-133								

Report issued Card filed Report mailed Called for

SIR-5

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

Jan. 26, 1951

General Laboratory Number P-10752 Date received _____

Spectrographic Laboratory Number _____ Sample received from _____

Bratches Conc.

QUALITATIVE SPECTROGRAPHIC ANALYSIS
(Quantities estimated to nearest power of ten)

1. Elements present in concentrations over 10%.

   Si

2. Elements present in concentrations 10% - 1%.

   Al Fe Ca W

3. Elements present in concentrations 1% - 0.1%.

   Mg Mn Ti Zr

4. Elements present in concentrations 0.1% - .01%.

   Na Pb Sn Cr Mo V Co

5. Elements present in concentrations .01% - .001%.

   Cu Ni

6. Elements present in concentrations below .001%.

   B Ag

Thomas C. Matthews, Spectroscopist

TCM

Sample from original discovery
shaft. Boatcher Tungsten Mine
12' depth

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

May 26 1949

General Laboratory Number P 8521 Date received _____

Spectrographic Laboratory Number _____ Sample received from H.D.Wolfe
Grants Pass Office

QUALITATIVE SPECTROGRAPHIC ANALYSIS
(Quantities estimated to nearest power of ten)

1. Elements present in concentrations over 10%.

   Silicon

2. Elements present in concentrations 10% - 1%.

   Aluminum, iron, calcium

3. Elements present in concentrations 1% - 0.1%.

   Magnesium, manganese, tungsten, ~~lithium~~

4. Elements present in concentrations 0.1% - .01%.

   Sodium, potassium, titanium, lead,
   vanadium, strontium

5. Elements present in concentrations .01% - .001%.

   Chromium, molybdenum, copper, barium, nickel

6. Elements present in concentrations below .001%.

I.
II.

Thomas C. Matthews, Spectroscopist

T. C. Matthews

TABLE 3

QUALITATIVE SPECTROGRAPHIC ANALYSES
(Quantities estimated to nearest power of ten)

Sample	Description	+ 10%	10%-1%	1%-0.1%	0.1%-.01%	.01%-.001%		
No. 1 (P-8521)	Scheelite bearing-epidote-quartz tactite	Si	Al,Fe,Ca	Mg,Mn,W	Na,Pb,Ti,K,V,Sr	Ba,Cu,Cr,Mo,Ni		
No.2 (P-10164)	Diopside-garnet-tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,Cr,V,Sr	Ba,Cu,W,Ni	B	
No.3 (P-10163)	Garnet-wollastonite-tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,V,Sr	Ba,Cu,Cr,W,Ni	B	
No. 4 (p-10159)	Quartz-diorite dike	Si	Al,Fe,Ca,Na	K	Mn,Pb,Ti,Cu,Ba, Sr	V,Cr,Ni	B,Mo	
No. 5 (P-10165)	Epidote-quartz-tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,Cr,V,Sr	Ba,Cu,W,Ni	B	
No. 6 (P-10158)	Pegmatite dike	Si	Al,Fe,Ca,Na,K		Mn,Pb,Cr,Cu,Ba,Sr	V,Ti,Mo,Ni	B	
~~No. 7~~ (P-10167)	Garnet-Wollastonite tactite from zone 700' east of main lens.	Si	Al,Fe,Ca	Ti,Na,K,Mg	Mn,Pb,V,Sr	Ba,Cu,Cr,W,Ni	B	
~~No. 8~~ (P-10166)	Pegmatite dike adjacent to east tactite zone (P-10167)	Si	Al,Fe,Ca,Na,K		Mn,Pb,Ti,Cu,Ba, Mg,Sr	V,Cr	B,Mo,Ni	
~~No. 9~~ (P-10972)	Quartz-diorite. Country rock in mine area.	Si,Ca	Al,Fe,Mg,Na,K	Ti	Mn,Pb,V,Sr	Ba,Cu,Cr,Zr, Ni	B	
~~No. 10~~ (P-10973)	Granodiorite from point 800' NE of main lens	Si	Al,Fe,Ca,Na,K	Mg	Mn,Pb,Ti,Ba,Sr	V,Cu, Zr	B,Cr,Ni	

TABLE 3

QUALITATIVE SPECTROGRAPHIC ANALYSES
(Quantities estimated to nearest power of ten)

Sample	Description	+ 10%	10%-1%	1%-0.1%	0.1%-.01%	.01%-.001%		
No. 1 (P-8521)	Scheelite bearing-epidote-quartz tactite	Si	Al,Fe,Ca	Mg,Mn,W	Na,Pb,Ti,K,V,Sr	Ba,Cu,Cr,Mo,Ni		
No.2 (P-10164)	Diopside garnet tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,Cr,V,Sr	Ba,Cu,W,Ni	B	
No.3 (P-10163)	Garnet wollastonite tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,V,Sr	Ba,Cu,Cr,W,Ni	B	
No. 4 (p-10159)	Quartz-diorite dike	Si	Al,Fe,Ca,Na	K	Mn,Pb,Ti,Cu,Ba, Sr	V,Cr,Ni	B,Mo	
No. 5 (P-10165)	Epidote-quartz-tactite	Si,Ca	Al,Fe,Mg	Ti,Na,K	Mn,Pb,Cr,V,Sr	Ba,Cu,W,Ni	B	
No. 6 (P-10158)	Pegmatite dike	Si	Al,Fe,Ca,Na,K		Mn,Pb,Cr,Cu,Ba,Sr	V,Ti,Mo,Ni	B	
No. 7 (P-10167)	Garnet-Wollastonite tactite from zone 700' east of main lens.	Si	Al,Fe,Ca	Ti,Na,K,Mg	Mn,Pb,V,Sr	Ba,Cu,Cr,W,Ni	B	
No. 8 (P-10166)	Pegmatite dike adjacent to east tactite zone (P-10167)	Si	Al,Fe,Ca,Na,K		Mn,Pb,Ti,Cu,Ba, Mg,Sr	V,Cr	B,Mo,Ni	
No. 9 (P-10972)	Quartz-diorite. Country rock in mine area.	Si,Ca	Al,Fe,Mg,Na,K	Ti	Mn,Pb,V,Sr	Ba,Cu,Cr,Zr. Ni	B	
No. 10 P-10973)	Granodiorite from point 800' NE of main lens	Si	Al,Fe,Ca,Na,K	Mg	Mn,Pb,Ti,Ba,Sr	V,Cu, Zr	B,Cr,Ni	

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

April 18 1951

General Laboratory Number P 10940 Date received _____

Spectrographic Laboratory Number _____ Sample received from F. W. Libbey
Tungsten concentrate
from
Van Carter's Mill
(Dave White Sample)

QUALITATIVE SPECTROGRAPHIC ANALYSIS
(Quantities estimated to nearest power of ten)

1. Elements present in concentrations over 10%.

   Silicon, iron, calcium, tungsten

2. Elements present in concentrations 10% - 1%.

   Aluminum

3. Elements present in concentrations 1% - 0.1%.

   Magnesium, potassium, manganese, titanium, molybdenum

4. Elements present in concentrations 0.1% - .01%.

   Sodium, lead, tin, vanadium, strontium

5. Elements present in concentrations .01% - .001%.

   Zirconium, chromium, copper, nickel

6. Elements present in concentrations below .001%.

   Barium

Lithium - not found

Thomas C. Matthews, Spectroscopist

Tom Matthews

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

PURCHASE STATEMENT, Tungsten Ore Concentrate

Bishop, Calif., December 28 1949

Seller Bratcher Mining Co.

68 E. Main St., Ashland, Oregon

Material 2203 lbs. Scheelite Concentrate Lot or Delivery No.....

Assay: 58.132 % WO_3 64.032 Units WO_3, Under 60%WO_3.....Penalty $0.1868 /unit

0.18 % Molybdenum..... " /unit

.153 % Phosphorous..... " 1.03 / "

.11 % Sulphur..... " / "

.01 % Copper..... " / "

% ..... " / "

(WO_3 Units adjusted to Moly Corp Final)

Handling Charge.... .50 / "

Total Deductions... 1.7168 / "

Pay per Unit: $23.50 , less $1.7168.....Deduction.....$21.7832/ "

Gross Pay: 64.032 Units @ $21.7832 .....per Unit.....$1394.82

Provisional % $

Charges: Freight $77.07 Upgrading $.....

Sampling-Assaying $16.00 &35.00 Blending $11.02 Pkgs. $....$141.59

Net to Seller $ 1253.23

Advance Payment 10/10 - $328.28, 11/26.49 - $653.00

$ 981.28

Balance of Provisional Final X Settlement to Seller $271.95

Owner or Authorized Agent, Seller.

C. W. Jones
Assignees and/or Buyer.

CONFIDENTIAL

ESTABLISHED 1897

The Twining Laboratories

THE BEST EQUIPPED COMMERCIAL LABORATORIES ON THE PACIFIC COAST

2527 FRESNO STREET. FRESNO, CALIFORNIA. PHONE 3-2118

RESEARCH ANALYSTS
INDUSTRIAL CHEMISTS
TESTING ENGINEERS
INSPECTION

June 22, 1949

Examination
235804

For - Mr. L. A. Bratcher
Rt. 1 Box 17
Ashland, Oregon

Lot 571 of schoolite concentrate (13 cans) sampled by Dominic Botta of The Twining Laboratories, on June 20, 1949.

Moisture - Nil

Weight:	Gross - - - - - - - - -	3497 lbs.
	Tare - - - - - - - - -	78 lbs.
	Moisture - - - - - - -	Nil lbs.
	Net dry weight - - - -	3419 lbs.

Units of WO_3 - 109.10029

36

Analysis on moisture free basis -

Tungsten trioxide (WO_3) - - - - - - - - - - - - - - - -	63.02%
Phosphorus (P) -	0.19%
Molybdenum (Mo) -	0.24%
as (MoO_3) -	0.36%
Sulphur (S) -	0.03%
Copper (Cu) -	0.01%

THE TWINING LABORATORIES

By Fred W. Twining

vj/es

ESTABLISHED 1897

The Twining Laboratories

THE BEST EQUIPPED COMMERCIAL LABORATORIES ON THE PACIFIC COAST

2527 FRESNO STREET. FRESNO, CALIFORNIA. PHONE 3-2118

RESEARCH ANALYSTS
INDUSTRIAL CHEMISTS
TESTING ENGINEERS
INSPECTION

June 27, 1949

Examination
235899

For - Mr. L. A. Bratcher
Rt. 1 Box 17
Ashland, Oregon

Sample - Tails

	- percent by weight -
Tungsten trioxide, WO_3 - - - - - - - -	0.15

THE TWINING LABORATORIES

By Fred W Twining

vy/es

100 tons

PURCHASE STATEMENT, Tungsten Ore Concentrate

49

BISHOP, CALIF., December 28 1950

Seller Bratcher Mining Co.,

68 E. Main St., Ashland, Oregon.

Material 2203 lbs. Scheelite Concentrate Lot or Delivery No. .....

Assay: 58.132 % WO_3, 64.032 Units WO_3, Under 60% WO_3, ... Penalty $ 0.1868 /Unit

0.18 % Molybdenum ..... " / "

.153 % Phosphorous ..... " 1.03 / "

.11 % Sulphur ..... " / "

.01 % Copper ..... " / "

% ..... " / "

(WO_3 Units adjusted to Moly Corp Final)

Handling Charge ..... .50 / "

Total Deductions ..... 1.7168 / "

Pay per Unit: $ 23.50, less $ 1.7168 ..... Deduction ..... $ 21.7832 / "

Gross Pay: 64.032 Units @ $ 21.7832 ..... per Unit ..... $ 1394.82

Provisional % $

Charges: Freight $ 77.07 Upgrading $ .....

Sampling - Assaying $ 16.00 & $35.00 Blending $ 11.02 Pkgs. $ ..... $ 141.59

Net to Seller $ 1253.23

Advance Payment 10/10 - $328.28, 11/26/49 - $653.00

$ 981.28

Balance of Provisional Final X Settlement to Seller $ 271.95

Acceptance of Final Settlement Payment closes this Sales-Purchase transaction. Seller Warrants unencumbered ownership and right to assign, sell and transfer to the undersigned Assignee and/or Buyer.

Owner or Authorized Agent, Seller.

C. W. Jones.

Assignee and/or Buyer.

☞ NOTICE: On acceptance of final Settlement, please sign and return one copy to Assignee and/or Buyer.

Chalfant Press

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO..... D001346
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER
NAME..... ELLIOTT, JAMES E.
DATE..... 73 06

NAME AND LOCATION
DEPOSIT NAME..... BRATCHER MINE

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

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

COUNTY..... JACKSON

LATITUDE	LONGITUDE
42-06 N	122-47 W

UTM NORTHING	UTM EASTING	UTM ZONE NO
4660688.2	517916.1	+10

COMMODITY INFORMATION
COMMODITIES PRESENT..... W

COMMODITY SPECIALIST INFORMATION:
W

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

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
TACTITE
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO..... M061504
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER
NAME..... JOHNSON, MAUREEN G.
UPDATED..... 80 12
BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION
DEPOSIT NAME..... BRATCHER

MINING DISTRICT/AREA/SUBDIST. ASHLAND

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

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

COUNTY..... JACKSON

QUAD SCALE 1: 62500
QUAD NO OR NAME TALENT

LATITUDE 42-10-42N
LONGITUDE 122-45-09W

UTM NORTHING 4669400.0
UTM EASTING 520450.0
UTM ZONE NO +10

TWP..... 39S
RANGE.... 01E
SECTION.. 18
MERIDIAN. W.M.

LOCATION COMMENTS: NW 1/4

COMMODITY INFORMATION
COMMODITIES PRESENT..... W

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. W

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

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4
PROPERTY IS INACTIVE

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
TACTITE
FORM/SHAPE OF DEPOSIT: LENS

SIZE/DIRECTIONAL DATA
MAX LENGTH..... 150 FT.
MAX WIDTH..... 28 FT.

DESCRIPTION OF WORKINGS
SURFACE
OVERALL LENGTH OF MINED AREA.... 4000 FT.

COMMENTS(DESCRIP. OF WORKINGS):
CUT 25X250X15 DEEP

PRODUCTION
YES
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE,COMMOD.,CONC.,OVERBURD.)

ITEM	ACC	AMOUNT	THOUS.UNITS	YEAR	GRADE,REMARKS
1 WO3 ACC		.174	STU	FROM 240 TONS CONC.	
23 ORE, EST	.590		TONS	1949-1951	0.1-1.1 WO3

PRODUCTION YEARS..... 1949-1951

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... HORNFELSED MARBLE, ARGILLITE

AGE OF ASSOC. IGNEOUS ROCKS.. LJUR-CRET
IGNEOUS ROCK TYPES..... QUARTZ DIORITE, GRANODIORITE

PERTINENT MINERALOGY..... EPIDOTE, QUARTZ, GARNET, DIOPSIDE , WOLLASTONITE, CALCITE

IMPORTANT ORE CONTROL/LOCUS.. CLOSELY FRACTURED ZONE COINCIDENT WITH HIGHEST SCHEELITE CONCENTRATION

LOCAL GEOLOGY
NAMES/AGE OF FORMATIONS,UNITS,OR ROCK TYPES
1) NAME: APPLEGATE GROUP
AGE: PERM TRI