

BRICK PILE MINE (quicksilver)

UPPER APPELATE DISTRICT

CONFIDENTIAL

Timber Products Co. asked Francis G. Wells, U. S. G. S., to visit the property, and RCT, hearing about it, "horned in" on the party. Wells took the instrumental readings. Discussion at the property and afterwards in the office. RCT wrote the report, and Wells added the correct instrument readings.

Apparently, quicksilver was produced in the 70's to service the placer miners with quicksilver. A 20 mile pack haul was necessary to get the quicksilver out. It is inconceivable that anything but high-grade could have been handled, and the lack of retort tailings or dump, and the un-scoted appearance of the retort bricks, suggests that no large amount of quicksilver was retorted under the crude conditions.

The dumps might be worth sampling for cinnabar. If only high-grade was retorted, probably the lower grade material was sorted on the dumps and remains there. No great tonnage would be available, however, from this source.

It is believed that there is justification for spending a limited amount of money to reopen at least two of the adits, and the Timber Products Co. have been so advised, orally.

Timber Products Co. report that Mr. Burch indicated that a Hecla Mining Co. geologist will look at the property in the near future, and that Horseheaven Mines, Inc., is interested.

Ray C. Treasher,  
Mining Geologist,  
September 5th, 1940.

RECORD IDENTIFICATION

RECORD NO..... M055855  
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 01  
BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... BRICK PILE PROSPECT

MINING DISTRICT/AREA/SUBDIST. UPPER APPELEGATE

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

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

COUNTY..... JACKSON  
DRAINAGE AREA..... 17  
PHYSIOGRAPHIC PROV..... 13  
LAND CLASSIFICATION..... 41

QUAD SCALE            QUAD NO OR NAME  
1: 62500            TALENT

LATITUDE            LONGITUDE  
42-06-44N            122-49-13W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4662050.0            514850.0            +10

TWP..... 0405  
RANGE..... 001W  
SECTION.. 04 09  
MERIDIAN. WILLAMETTE

COMMODITY INFORMATION

COMMODITIES PRESENT..... HG

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):  
POTENTIAL.....

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV.

6  
PROPERTY IS INACTIVE

YEAR OF DISCOVERY.....  
PRESENT/LAST OWNER.....

1868  
TIMBER PRODUCTS CO., 1963

#### DESCRIPTION OF DEPOSIT

##### DEPOSIT TYPES:

MINERALIZED SHEAR ZONE  
FORM/SHAPE OF DEPOSIT:

##### SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
COMMENTS(DESCRIPTION OF DEPOSIT):

THE ORE IS IN SILICIFIED PORTIONS OF THE COUNTRY ROCKS. NUMEROUS QUARTZ STRINGER CUT THE ROCK.

#### DESCRIPTION OF WORKINGS

##### COMMENTS(DESCRIP. OF WORKINGS):

3 ADITS AND SEVERAL TRENCHES. ABOUT 600 FT. OF OLD WORKINGS WAS CLEANED OUT IN 1941.

#### PRODUCTION

YES  
NO PRODUCTION  
SMALL PRODUCTION

PRODUCTION COMMENTS..... NO RECORDED PRODUCTION, PROBABLY A FEW FL PRODUCED

#### GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... AMPHIBOLITE, SILICEDUS METASEDIMENTARY ROCKS  
HOST ROCK TYPES..... AMPHIBOLITES, SILICEDUS METASEDIMENTS

PERTINENT MINERALOGY..... CALCITE, QUARTZ, PYRITE (?)

IMPORTANT ORE CONTROL/LOCUS.. SHEAR ZONE STRIKING S43W

#### LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: APPLGATE GROUP  
AGE: LTRI

SIGNIFICANT ALTERATION:  
SILICIFICATION

GEOLOGICAL PROCESSES OF CONCENTRATION OR ENRICHMENT:

## RECORD IDENTIFICATION

RECORD NO..... M062256  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 DEPOSIT NO..... 21  
 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..... BRICK PILE CHRDME

MINING DISTRICT/AREA/SUBDIST. RED MOUNTAIN

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  
 42-07-19N            122-51-54W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
 4663100.            511150.            +10

TWP..... 40S  
 RANGE..... 01W  
 SECTION.. 06  
 MERIDIAN. WB & M

LOCATION COMMENTS: NW 1/4

## COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

DRE MATERIALS (MINERALS, ROCKS, ETC.):  
 CHROMITE

STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT  
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL

PRODUCTION  
UNDETERMINED

GEOLOGY AND MINERALOGY  
HOST ROCK TYPES..... METAPERIDOTITE

GENERAL COMMENTS  
LITTLE INFORMATION AVAILABLE

GENERAL REFERENCES  
1) WELLS, F.G. AND OTHERS, 1956, GEOLOGIC MAP OF THE MEDFORD QUADRANGLE; USGS GEOL. MAP GQ-89

BRICK PILE MINE (quicksilver)

UPPER APPLIGATE DISTRICT

Owners: Timber Products Co., (TeePee Brand), N. Central, Medford, Oregon.

Location: Secs. 4 & 9, T. 40 S., R. 1 W., west of Little Applegate River.

Reached via road from Talent through Wagner Gap, taking all left hand turns after passing the gap. Road ends about  $\frac{1}{2}$  mile from Little Applegate River. Trail goes down Greely Cr. to Little Applegate, cross River, then about  $\frac{1}{2}$  mile upstream to a rude Forest Service Camp. About 50 ft. downstream and 50 feet up the hill from the camp is the ruins of an old brick retort. The workings lie up the hill from the retort; one cut is just above the retort; others lie about S. 45° W. from the retort.

Area: Reported as 893 acres.

History: (according to Albert Burch) The mine was located in the early 70's and quicksilver was smelted in a crude retort. Brick for the retort was made about 1 mile downstream at the "Brick Pile Ranch". Quicksilver was supplied to the placer miners around Jacksonville and northern California. Property acquired by Oregon-Montana Mining, Milling, & Manufacturing Co., in 1914. In 1928 the old cinnabar workings were discovered and a report on the property was made (by Albert Burch). No work has been done on the property since its activity during the 70's. The property was acquired in 1938 by the Timber Products Company of Medford, Oregon; they discovered accounts of the cinnabar workings and searched out the locality.

Parks & Swartley report as follows:

"Oregon-Montana Mining, Milling, & Manufacturing Co. Office, Wilcox Building, Portland, Oreg. John D. Fletcher, Hood River, Oreg., pres.; H. S. Reed, Portland, secretary; A. L. Reed, Portland, treasurer. Capital stock \$20,000; par value \$10; all subscribed, issued and paid up."

Development: At the time of the inspection, all tunnels and cuts were caved. There is one cut just above the retort but no cinnabar on the dump. Up the hill is another dump that indicates a tunnel which apparently trends S.  $50^{\circ}$  W, probably 400-600 feet in length, caved at the portal. (Single-Tree dump). Elevation of this dump is 3450 ft. aneroid. A few scattered cinnabar specimens were found.

Next up the hill, at altitude 3665', aneroid, is a large dump and a tunnel that ~~is~~ trends S.  $45^{\circ}$  W., and is open about 100 feet and caved beyond. Nice cinnabar specimens were found on the dump, and indications are that this is the most recent working.

Next up the hill is the "ore bucket" dump. It is not as large as the others and there is evidence of a shaft.

The uppermost adit, caved, is above this one. The dump is small and workings probably did not extend any great distance. No cinnabar was found. Just over the top of the low ridge, and at ~~the~~ altitude 3800ft. aneroid, are four trenches, about 100 feet long. No cinnabar showings were seen although the trenches are badly caved and filled in.

The retort must have been about 10 feet in diameter and was laid up with common brick - no mortar. There is no evidence of a tailings pile. However, it is reported that about a mile down the Little Applegate, at the Brick Pile Ranch, is the ruin of a sizeable retort, or the spot where bricks were made.

Geology: The country rock of the area is classed by F. G. Wells (Preliminary Geologic Map of the Medford Quadrangle) as the Younger Metamorphic series. It is difficult to tell whether the metamorphics were originally sediments or igneous, but Wells states that the series is undoubtedly part of the metamorphic aureole around the margin of the granodiorite batholith. In the uppermost adit, at the portal, is

a shear zone that trends S. 43° W., and dips 37° N. W. As the trend of this shear zone is similar to that of the underground workings, it may be that this shear zone defines the "hanging wall" of the ore-body.

The ore is in a silicified portion of the Young Metamorphic series. Numerous quartz stringers cut the rock and the matrix is well silicified. Portion are oxidized to rust-brown so that the general color is buff. The cinnabar occurs as small crystalline crystals, averaging about 1/8 inch in length although there is some evidence of "paint". Certain specimens are well spotted with cinnabar so that the rock looks as if it had Rocky Mountain fever. A few very small grains of sulfides such as pyrite, were seen.

Conclusions: All workings are caved, and should be opened before any definite conclusions may be reached. The two adits below the "ore-bucket" dump are suggested. Good cinnabar specimens were found on one dump only. Crystalline cinnabar seen in specimens might indicate that cinnabar has penetrated the country rock and not merely deposited on cracks and fractures. While the ore might be more disseminated, it might lead to a larger, low-grade body than if the ore were concentrated as "paint".

Informants: Mr. Hart and Mr. Herman of Timber Products Co., acted as guides for F. G. Wells of the U. S. G. S., and Ray C. Treasher.

Report by: written by RCF, criticized by F. G. Wells. 9/5/40



BRICK PILE QUICKSILVER

Being opened by 5 leasees. Upper open cut opened. Tunnel at ore dump about 200 ft. long. Evidence of 2 former operations. Second wqs about 30" higher than the older. Found an old wooden ore car and lots of tools. "Ore bucket" tunnel opened 280 ft long. In 180 ft. a x-cut to the left. No data on assays.

Informant: Mr. Herman, Timber Products Co., 5/12/41