

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

BROWNSBORO CLAY

Lake Creek area

Owner:

Location: NE $\frac{1}{4}$ sec. 11, T. 36 S., R. 1 E (see Medford geologic map) about 6 miles east of Eagle Point, in the vicinity of Brownsboro.

History: The property originally was opened as a quicksilver prospect. Some altered rock was removed by the Klamath Falls Brick and Tile Co., for the manufacture of refractory brick.

Development: A short drift with two crosscuts were driven into the altered rock and a shaft was sunk 20 feet below the tunnel level. This work was done while prospecting for cinnabar.

Geology: According to the Medford geologic map, the country rock is buff fine-grained tuff with fragments of flow rock. Some of this rock has been altered by hydrothermal solutions and some cinnabar was deposited in the altered rock. The light-colored altered rock is a fair refractory material; the iron stained rock is below refractory grade.

Informant: Ray C. Treasher 1/6/42

References: Wells, G., Medford geologic map.
Wilson and Treasher (38:81)

Report by: RCT 1/6/42

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M055845
 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..... 80 10
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... STANLEY AND BROWN PROSPECT
 SYNONYM NAME..... BROWNSBORO CLAY & QUICKSILVER

MINING DISTRICT/AREA/SUBDIST. BROWNSBORO

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

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

COUNTY..... JACKSON
 DRAINAGE AREA..... 17100307 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PRDV..... 13 WEST CASCADES
 LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
 1: 62500 LAKECREEK

LATITUDE LONGITUDE
 42-27-30N 122-40-09W

UTM NDRTHING UTM EASTING UTM ZONE NO
 4700494.7 527199.1 +10

TWP..... 0365
 RANGE..... 001E
 SECTION.. 11
 MERIDIAN. WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: 3 MI. SE OF BROWNSBORO

LOCATION COMMENTS: E/2 NW/4 SEC 11

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 2
PROPERTY IS INACTIVE
YEAR OF DISCOVERY..... 1902
BY WHOM..... W. M. STANLEY, J. ROGERS
PRESENT/LAST OWNER..... R.A. BROWN

DESCRIPTION OF DEPOSIT

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

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
STRIKE OF OREBODY..... N 45 W

DESCRIPTION OF WORKINGS

SURFACE AND UNDERGROUND
DEPTH OF WORKINGS BELOW SURFACE. 50 FT
LENGTH OF WORKINGS..... 137 FT

PRODUCTION

YES
SMALL PRODUCTION

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

PRODUCTION COMMENTS..... 2 OR 3 FLASKS OF HG PRODUCED ABOUT 1920

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... EOLIGO-EMIO
HOST ROCK TYPES..... ANDESITIC FLOWS AND PYROCLASTICS

PERTINENT MINERALOGY..... CHALCEDONY, KAOLINITE

IMPORTANT ORE CONTROL/LOCUS.. FAULT ZONE MARKED BY RESISTANT CRACKS OF KAOLINIZED AND WEAKLY SILICIFIED VOLCANIC ROCKS CUT BY CHALCEDONY VEINLETS

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: LITTLE BUTTE VOLCANIC SERIES

SIGNIFICANT LOCAL STRUCTURES:

KADLINIZED VOLCANICS

COMMENTS (GEOLOGY AND MINERALOGY):

CINNABAR OCCURS IN IRREGULAR CHALCEDONY VEINLETS

GENERAL COMMENTS

RECORD NUMBER (N013809) HAS BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE

GENERAL REFERENCES

- 1) BROOKS, H. C., 1963, QUICKSILVER IN OREGON: OREGON DEPT. OF GEOLOGY AND MINERAL INDUSTRIES, BULL. 55, 223 P.
- 2) MERCURY IN OREGON, 1965, USB4 IC 8252
- 3) OREGON METAL MINES HANDBOOK, 1943, BULL. 14-C, V. 2, 200 P.
- 4) WILLIAMS, H. AND COMPTON, R.R., 1944, QUICKSILVER DEPOSITS OF THE TILLER, TRAIL, AND BROWNSBORO AREAS AND OF PHILLIPS MINE; USGS UNPUBLISHED REPORT

RECORD IDENTIFICATION

RECORD NO..... M013808
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
FILE LINK ID..... CONSV
MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
DATE..... 74 01
UPDATED..... 80 12
BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... BROWNSBORO CLAY

MINING DISTRICT/AREA/SUBDIST. SOUTHWESTERN OREGON

COUNTRY CODE..... JS
COUNTRY NAME: UNITED STATES

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

COUNTY..... JACKSON
LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
1: 62500 LAKECREEK

LATITUDE LONGITUDE
42-27-38N 122-39-56W

UTM NORTHING UTM EASTING UTM ZONE NO
4700750. 527500. +10

TWP..... 56S
RANGE..... 01E
SECTION.. 11
MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: IN THE VICINITY OF BROWNSBORO, WHICH IS 6 MILES EAST OF EAGLE POINT.

COMMODITY INFORMATION

COMMODITIES PRESENT..... LY HG

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

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

PROPERTY IS INACTIVE

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
REPLACEMENT

DESCRIPTION OF WORKINGS
SURFACE AND UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):
20 FT SHAFT AND A SHORT TUNNEL

PRODUCTION
NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... OLIGO-MIO
HOST ROCK TYPES..... FRAGMENTAL TUFF

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

- 1) NAME: LITTLE BUTTE VOLCANICS
AGE: OLIGO-MIO

GENERAL REFERENCES

- 1) STATE OF ORE. DEPT. OF GEOL. & MIN. INDUS. BULL. #6, PRELIMINARY REPORT OF SOME OF THE REFRACTORY CLAYS OF WESTERN OREGON, BY HEWITT WILSON AND RAY C. TREASHER, 1938, PG. 81
- 2) OREGON METALS MINE HANDBOOK, 1943, ODGMI BULL. 14-C, VOL. 2, SEC. 2, P.141.
- 3) WELLS, F.G. AND OTHERS, 1956, GEOLOGIC MAP OF THE MEDFORD QUADRANGLE; USGS GEOL. MAP GQ-89.