

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

## DUVALL AND POWELL CINNABAR PROPERTY

Josephine County  
Grants Pass District

Owners: Grant Powell and E. F. Duvall, 2413 Walnut Avenue, Grants Pass by location.

Location: T. 35 S., R. 6 W., Sec. 33. Reached by going out to Robertson Bridge, past Panther Gulch on Pickett Creek road and on up Pickett Creek road. The mine is up a N-S gulch across Pickett Creek and 100 yards up small stream - Spring Creek (?). This gulch is 2.7 miles from Robertson Bridge.

Development: Total of about 70' of drifting, several small shafts and winzes.

Geology: Spring Creek follows a shear in Jurassic Galice formation. Quartz stringers parallel the course of the creek. Many  $\frac{1}{2}$  inch stringers shoot through the shear. The country rock is in part a hard, dark meta-gabbro (?) which has been highly fractured. The shear shows chloritized rock with maybe some graphitic slate. The shear is highly contorted.

Cinnabar has come in along the tight fractures in the meta-gabbro, and is associated with quartz and calcite. The only cinnabar seen was on the dump. None was found in the mine, although quick can be panned anywhere in the mine, according to Grant Powell.

One grab sample from the dump (OG-525, P-17730) showed 0.70 lb/ton.

Conclusions and Recommendations: It is believed that since no ore shows inside the mine, the mineralization present was a single small chute mined out by a 5 foot overhand stope and a winze that was filled with water. It is probable that the winze is not more than 20 feet deep.

The discovery of new values would entail complete sampling of the workings in the mine and, if no important values uncovered, dewatering and examination of the winze. The winze is near the level of the creek and any deeper mining will present water problems.

Since the trend of the shear and consequently, probably the mineralization parallels the creek, about the only place to mine is downward. One alternative is to drift into the side of the hill to look for a parallel stringer. This still does not leave a very high back and some surface prospecting should be done previous to any such work as this.

These observations were made after spending 1 hour at the mine.

No sampling was done.

Visited: Jan. 11, 1955 accompanied by Grant Powell and E. F. Duvall.

Report by: Max Schafer Jan. 28, 1955.