

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

CHRISTENSEN-KNORR CLAIMS (Clay)

Crook County

Owners: Harold Christensen and Duffy Knorr, Redmond, Oregon.

Area: Two claims held by location.

Location: The claims are in Sec. 11, T. 16 S., R. 14 E. and can be reached by traveling east from Redmond on U. S. Highway 126, then south at the store for 3 miles, then east for 1 mile, then follow ranch road south to the claims. They are low on the southwest slope of the northernmost hill that makes up the Powell Buttes.

Development and Geology: A zone or bed of altered tuff has been exposed by several bulldozer cuts and small pits. Generally the material is almost white, fractures conchoidally and is easily sectile with a knife. It could not be determined whether the tuff has been changed by weathering or by hydrothermal alteration. A microscopic examination shows the rock to be almost entirely clay minerals with a small amount of unaltered grains of feldspar and quartz(?). The largest area exposed is 30 feet wide and 50 feet long. The cuts are all shallow and the clayey tuffs appear to be just beneath a shallow soil cover. The thickness of the bed could not be determined but a drill hole of 25 feet is reported to still be in clay. No reliable attitudes are apparent but the dip of the body appears to be about the same as the slope of the hill.

Several iron-stained areas were noted in the deposit. No analysis of the material is available at this time.

Visited: June 5, 1958.

Report by: Norman V. Peterson 6/11/58.

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