

5/17/39

HOMESTAKE MINE

High Grade Mining District
Modoc County, California

Owners: Andrew Johnston and F. J. Murphy, Lakeview.

Location: Elevation, 7800, sec. 35 or 36, T. 48 N., R. 15 E. This property is partly in Oregon and partly in California. It lies just north of the old Modoc shaft north of the mining town of High Grade.

Area: Two quartz claims and a fraction.

History: The Modoc mine was worked from 1908-1912 by the Wrigley Brothers, who are said to have invested \$100,000.00 in driving a 475-foot shaft. There are also numerous small cuts and adits. No sulphide ore was seen on the dump, but several thousand dollars worth of ore is said to have been shipped. The Homestake mine has had several tunnels and numerous small cuts made both during this activity and later.

Development: Upper tunnel S. 40° W. 145 feet to cut a 60-foot shaft. Lower tunnel same 150 feet now completely caved.

Geology: The country rock is altered oxidized rhyolite. Gold can be panned from the seams between the boulders and from the oxidized pockets. Some of the rhyolite on fresh broken surfaces shows disseminated iron sulphides. The rhyolite is overlain by a now mostly eroded flow of gray olivine andesite. Some of the "ore" is a highly oxidized sponge quartz; some is an oxidized rhyolite breccia.

"Sponge quartz" Trace Au.

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