

Retracement of the W. bdy. of T 34 N, R 22 E, Mt. Diablo B. and M.

Chains.

Survey commenced July 31, 1910 and executed with a W. & L. E. Gurley, light mountain transit, the horizontal limb being provided with two opposite verniers reading to single minutes of arc.

I begin at the cor. of Tps. 33 and 34 N, Rs. 21 and 22 E, this corner is a basalt stone, firmly set in the ground marked, witnessed and of the dimensions described by the Surveyor General. I destroy all traces of this corner and its accessories and reestablish it at the same point as follows;

Set a basalt stone 28-18-7 ins., 19 ins. in the ground for cor. of Tps. 33 and 34 N, R 21 E, on W. bdy. of T 33 N, R 22E, marked with 33 N on S.W. and 21 E on N.W.; face and with 6 notches on N. and W. edges; and raise a mound of stone 2 ft. base, 1 1-2 ft. high W. of cor., thus making it the cor. of Tps. 33 and 34 N, R 21 E.

Pits impracticable.

Latitude 40° 43' N, longitude 119° 30' 48" W.

At this corner at 10 h. 56 m. p.m., l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the manual, and mark the point in the line thus determined by a tack driven in a wooden peg set in the ground 5.00 chs. N. of my station.

July 31, 1910.

August 1, 1910.

At 7 h. a.m., I lay off the azimuth of Polaris 1° 33'.4 to the W., and mark the Meridian thus determined by a cross on a stone firmly set in the ground, west of the point established last night.

The magnetic bearing of the true meridian is N 18° 52' W, which gives the magnetic declination 18° 52' E.

From the cor. of Tps. 33 and 34 N, R 21 E, I run N. on a blank line and find the E. bdy. of T 34 N, R 21 E, to be defective in both alinement and distance and since it will be necessary to set closing corners on this bdy. for the west tier of sections in T 34 N, R 22 E, I retrace