

Chains.

Survey commenced July 1, 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 S.E. cor. of T 37 N, R 22 E, Mt. Diablo B. and M. This cor. is a basalt stone 9-7 ins. by 10 ins. above ground. Firmly set and marked and witnessed as described by the Surveyor General.

This corner I searched for and found on July 1, 1910, and prepared to observe polaris there that night.

Latitude $41^{\circ}1'N$, longitude $119^{\circ}26'W$. July 1, 1910.

July 2, 1910.

At this cor. at 0 h. 54 m., a.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 in the ground, 5.00 chs. N. of my station.

At 7 h., a.m., I lay off the azimuth of polaris $1^{\circ}33'.4$ 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 $N 19^{\circ}5'W$, which gives the magnetic declination $19^{\circ}5'E$.

From this corner I run W. on a blank line retracing the S. bdy of T 37 N, R 22 E.

At 40.30 chs. I find the 1-4 sec cor., 1.30 chs. to the N. of my line. At 80.04 chs. I find the cor. of secs. 1, 2, 35 and 36, 2.55 chs. to the N. of my line. I continue W. and find the corners far to the N. of my line, until at 5 miles 47.45 chs. I find the 1-4 sec. cor., 6.78 chs. to the S. of my line, and at 5 miles 63.23 chs. I find the S.W. cor. of the Tp., 14.80 chs. S. of my line.

Since this S. bdy. is defective in both alinement and distance it will be necessary to establish a sectional correction line.

July 2, 1910.