Retracement of the W. Bdy. of T. 39 N., R. 18 E.

Calif-Nev. State Line.

Chains

Survey commenced July 28, 1911, and executed with a C.L. Berger & Sons Mining transit, No. 2, the horizontal limb is provided with two opposite verniers reading to a single minute of arc.

I examine the adjustments of the transit, and correct the level and collimation errors. I proceed as follows.

Set my transit up over mile post 55, on the Calif-Nev. State Line, which is the W. Bdy. of T.39 N., R.18 E. in latitude 41°08' N., longitude 120°00' W. at 11h9.4m p.m. l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark the line thus determined, by a tack driven in a wooden peg, firmly set in the ground, 5.00 chs. N. of my station.

July 28, 1911.

July 29, 1911: At 7.30 a.m.l.m.t., I lay offthe azimuth of Polaris, 1°33' to the west, and mark the Meridianthus determined by a tack driven in a wooden peg, firmly set in the ground, west of the point established last night,

The magnetic bearing of said true meridan is N.19°00' W., which gives the magnetic declination 19°00' E.

At this mile post, I lay off from the true meridan, an angle of 0°04' from north to east, and fore sight to flag on mile post 52, previously set by me, which is visible from my station, and run.

N.0°04'E., on a random line, along the W. bdy. of T.39 N., R. 18 E., the Calif-Nev. State Line.

Over sand dunes, and thick sage brush.