

## Retracement of the West Boundary of T. 1 N., R. 70 E.

Chains.

progress of this survey from frequent solar observations, on the Polaris meridian, and from daily latitude and declination tests taken whenever practicable. All measurements were taken with a five chain Lallie steel tape, the slope distances being reduced to the horizontal by the use of a Keuffel and Esser Co. clinometer; and the tape was compared frequently with a standard one chain steel tape kept for this purpose, only. In computing the declinations of the sun the refractions were corrected for an altitude from seven thousand to eight thousand feet above sea level.

May 18, 1919, in sec. 19, T. 1 N., R. 71 E., at 2h 0m, p.m., l. m. t., the magnetic bearing of the true meridian is N.17°00'W.; the angle thus determined gives the magnetic declination 17°00' E.

## Retracement of the West Boundary of T. 1 N., R. 70 E.

From the S. C. of Tps. 1 N., Rs. 69 and 70 E., on the Mount Diablo Base Line, hereinafter described, North on a retracement line along the W. bdy. of T. 1 N., R. 70 E., bet. secs. 31 and 36.

40.00 Unable to find  $\frac{1}{4}$  sec. cor. after a diligent search.

79.80 Fall 21 lks. W. of the cor. of secs. 25, 30, 31 and 36, hereinafter described.

Therefore the bearing of this line is S.0°09'W., and by proportionate measurement the length of each half mile is 39.90 chs.

Continue N. on retracement on same line bet. secs. 25 and 30.

39.96 Intersect the  $\frac{1}{4}$  sec. cor., hereinafter described.

Therefore the bearing of this half mile is S.0°18'E., and the length is 39.96 chs.

Continue N. on retracement from the  $\frac{1}{4}$  sec. cor.

80.00 Unable to find any evidence of the cor. of secs. 19, 24, 25 and 30.