

Retracement of a Fraction of the S. Bdy. of T. 9 N., R. 30 E. 3.

Chs.

pencil on the stake already set 5 chs. N. of my station; this mark falls less than a minute west of the meridian established by the Polaris observation.

The solar apparatus by a.m. and p.m. observations, defines positions for meridians, practically coinciding with the meridian established from the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 9h 0m a.m., l. m. t., May 21, 1917, is N.18°15'W.; the angle thus determined gives the magnetic declination 18°15'E.

The measurements on this survey were made with a Lallie five chain steel tape which was frequently compared with a standard one chain steel tape kept for this purpose; and the slope angles determined by the use of a Dietzgen clinometer.

During the survey of this township the adjustments of the transit were frequently examined, and from latitude tests taken whenever practicable and from repeated tests on the Polaris meridian, the instrument was known to be in adjustment.

30 E.

Retracement of a Fraction of the S. Bdy. of T. 9 N., R.

From the old cor. of Tps. 8 and 9 N., Rs. 30 and 31 E., hereinafter described, I retrace W. on the S. bdy. of T. 9 N., R. 30 E., bet. secs. 1 and 36.

40.29 Fall 6 lks. N. of the old $\frac{1}{4}$ sec. cor., hereinafter described.

The bearing of this half mile is S.89°55'W., and the length 40.29 chs.

I continue retracement W. on same line

78.50 Fall 12 lks. N. of the old cor. of secs. 1, 2, 35 and 36,