

Test of Instrument

Chains

west and 0'16" east of the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 0m, a.m., l.m.t., is N.19° 00' W.; the angle thus determined gives the mag. decl. 19° 00' E.

Measurements were made with steel tapes, 5 chs. in length, which were compared with a standard 1.00 ch. steel tape used for this purpose. Vertical angles were read with a clinometer.

October 29, 1917.

Retracement of W. Bdy. T. 34 N., R. 61 E.

Preliminary to the reestablishment of the exterior lines, I retrace said lines, making diligent search for old cors. at 40.00 and 80.00 chs., and setting temp. points. When an old cor. is reached I return along the line and adjust all temp. points to distances proportional to those of the original survey.

From the reestablished cor. of secs. 24 and 25, T. 34 N., R. 60 E., hereinafter described, I retrace South on the W. Bdy. of T. 34 N., R. 61 E.

2.10 The closing cor. of secs., 19 and 30, hereinafter described, bears E. 3.4 lks. dist.

I continue the same line south on a retracement.

40.00 After a diligent search I find no trace of the old 1/4 sec. cor.

80.29 Fall 1.31 chs. W. of the cor. of secs., 25, 30, 31 and 36, hereinafter described.

The bearing of this line is therefore N. 0° 56' W., and the length is 80.30 chs.

From the cor. of secs. 25, 30, 31 and 36, I retrace