

Test of Instruments.

Measurements on the surveys of this township were made with 5.00 chain steel tapes which were frequently compared with a U.S. Standard 1.00 chain steel tape. Slope angles were determined by means of clinometers, the adjustments of which were made by comparing their readings with those of a transit. Throughout the survey of T44 N., R.30 E., the adjustments of transits No. 9985 and 8494 were frequently examined and the solar apparatus tested at least once each week by comparing the results of a.m. and p.m. observations with the meridian established by observations on Polaris.

Chains.

Dependent Resurvey of a portion of the South bdy. of T. 44 N., R. 30 E.

The cor. of secs. 1, 2, 35 and 36 on the S. bdy. of Tp. is the remains of an old wooden post with scribe marks visible but illegible, and faint evidence of pits.

Thence West, on a random line bet. secs. 2 and 35.

40.00 Make diligent search but find no trace of the $\frac{1}{4}$ sec. cor.

Set temp. point.

80.00 Make diligent search but find no trace of the old cor. of

secs. 2, 3, 34 and 35 on the S. bdy. of Tp. Set temp. cor.

I return to the cor. of secs. 1, 2, 35 and 36, described above.

Thence West, on a true line bet. secs. 2 and 35 on the S. bdy.

of Tp.

over nearly level land.

40.00 The record distance, set an iron post .3 ft. long, 1 in. diam.,

26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{S35}{4} \frac{S2}{S2}$

1918

dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist.