

Test of Instruments.

angle from the edge of a prominent tree, on the sky line, northwest of my station, in the direction N.-E. to Polaris.

Horizontal angle, reference point to

Polaris, mean of four readings----- 16° 32'

Azimuth of Polaris-----1° 03' ✓

True bearing of reference point-----N. 15° 29' W.

All measurements in the survey of this township were made with a Lallie 5.00 ch. steel tape, which was compared with a Lufkin standard 1.00 ch. tape. Measurements on the slope were reduced to the horizontal by means of the transit and by the use of clinometers, which were tested by comparing them with the transit.

Dependent Resurvey of a portion of the S. Bdy. of T. 33 N., R. 37 E.

Note: Preliminary to the dependent resurvey, retracements were made of all lines, the fallings and distances noted and the true courses and distances between corners computed. Where no corners were found temporary points were set and the true point for the restored position of the missing corners was determined by proportionate measurements.

Alongside the old cor. of secs. 32 and 33, which is a limestone, 16 x 14 x 4 ins., marked with 4 grooves on E. face and 2 grooves on W. face, from which

A juniper, 7 ins. in diam., bears N. 17° E., 35 lks. dist., marked XXXVIIIE XX BT

A juniper, 7 ins. in diam., bears N. 57° W., 61 lks. dist., marked TXXXIIIIIN RXXXVIIIE SXXXII IIII BT

set an iron post, 3 ft. long, 2 ins. in diam., 17 ins. in the ground, to solid rock, in a mound of stone, 3 ft. base, 24 ins. high, for the cor. of secs. 32 and 33, with brass cap mkd.