

Retracement of a Portion of Fourth Standard Parallel South

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Chains

defines positions for meridians respectively, less than 01' to the east and west of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

During the progress of the survey of this township the adjustments of the transit were frequently examined, and tests of the solar apparatus were made at least once a week by comparing meridians obtained by the solar apparatus for a. m. and p. m. observations, with a meridian determined by Polaris observation.

Slopes angles on the survey of townships embraced in Group 50 were determined with a clinometer and the corresponding horizontal distances taken from the Standard Field Tables furnished by the U. S. Surveyor General.

Retracement of Portion of Fourth Standard Parallel South.

Beginning at the standard cor. of secs. 32 and 33, T. 16 S., R. 57 E. of Wood & Myrick survey, hereinafter described, I retrace,

West on the S. bdy. of sec. 32.

40.03 Intersect N. and S. line, 03 lks. S. of the old standard $\frac{1}{2}$ cor. of sec. 32, hereinafter described. This $\frac{1}{2}$ mile bears N. $89^{\circ} 57'$ W. and its length is 40.03 chs. I continue my retracement west along same line.

80.08 Intersect N. and S. line, 16 lks. S. of the old standard cor. of secs. 31 and 32 of T. 16 S., R. 57 E., hereinafter described. This last $\frac{1}{2}$ mile bears N. $89^{\circ} 49'$ W. and its length is 40.05 chs.

From the old standard cor. of secs. 31 and 32, I retrace, West on S. bdy. of sec. 31.

40.18 Intersect N. and S. line, 50 lks. S. of the old standard