

Chains

September 18, 1939; at the cor. of Tps. 8 and 9 N., Rs. 44 and 45 E., hereinafter described, I make an altitude observation of the sun, first setting on the sun's upper and right limbs, then after reversal of the instrument on the lower and left limbs; the horizontal angles are measured from a point 60 chains to the S.

- Mean watch time of obs., a.m..... 9h 15m 37½s
- Mean vertical angle 40° 33' 20"
- Mean horizontal angle..... 51° 31' 30"
- Reduced bearing of point S. 0° 00' 14" E.

June 28, 1940; at the cor. of secs. 21, 22, 27, and 28, T. 9 N., R. 45 E., latitude 38° 35' 51" N., longitude 116° 54' 20" W., in order to verify the alinement between secs. 27 and 28 established in 1939, and also to extend the lines for the completion of the subdivision, I make an altitude observation of the sun, first setting on the sun's upper and right limbs, then after reversal of the instrument, setting on the lower and left limbs; the horizontal angles are measured from a back sight flag at the cor. of secs. 27, 28, 33, and 34, which is visible. The bearing of this line as established is S. 0° 01' E.

- Mean watch time of obs., a.m..... 8h 17m 23s
- Mean vertical angle 39° 26' 15"
- Mean horizontal angle from flag to sun 89° 52' 45"
- Reduced bearing of the line bet. secs. 27 and 28, is S. 0° 01' 15" E.

At this cor., I further determine a meridian with the solar, which I find to agree with the true meridian. Therefore conclude that the adjustments of the instrument are satisfactory.

All instruments were maintained in satisfactory conditions throughout the progress of the survey; and numerous observations upon Polaris and direct altitude observations upon the sun were made to secure accuracy in the projection of transit lines and verified by similar methods.

Dependent Resurvey of a portion of the E. Bdy. of T. 9 N., R. 45 E.

Reestablishment of surveys executed by Don H. Barker, Deputy Surveyor, in 1874.

Beginning at the original cor. of secs. 25, 30, 31, and 36, on the E. bdy. of T. 9 N., R. 45 E., which is a quartzite stone, 4x8x12 ins., firmly set, mkd. with 1 groove on S. and 5 grooves on N. faces.

At corner point, with the original corner stone deposited at the base,