

October 9, 1936, at a transit point near the center of the S. bdy. of sec. 34, T. 12 N., R. 29 E., in latitude 38° 51' 10" N. and longitude 118° 43' 00" W.; as determined by reference to U.S.C. and G.S. station "Schurz", in sec. 35, T. 13 N., R. 28 E., make an hour angle observation of Polaris, east of the meridian, four each with the telescope in direct and reversed positions, reading the horizontal deflection angles from a notch in a distant ridge to the NW., NE. to Polaris.

L.M.T. of observation.....5h 31m 08s p.m.
Hour angle of Polaris at obs.....6h 55m 54s
Mean horizontal angle.....N.23°01' 33" W.
Azimuth of Polaris.....N. 1°17' 10" E.

Mean true bearing of mark.....N.21°44' 23" W.

The measurements were made with Lallie Steel ribbon tapes 5 and 8 chs. in length. These tapes were graduated every link for the first chain and thereafter at intervals of 10 links. The tapes were compared with a Lufkin standard steel tape one chain in length and found to be correct. Measurements were made on the slopes, the vertical angles determined with improved type clinometers and the slope measurements were properly reduced to corresponding horizontal distances which appear in these notes.

DEPENDENT RESURVEY OF A PORTION OF THE EAST
BOUNDARY OF T. 12 N., R. 29 E.

REESTABLISHMENT OF THE SURVEYS EXECUTED BY J. E. FRANKS
AND J. S. MULLEN, U.S. DEPUTY SURVEYORS, IN 1904
CONTRACT NO. 237

Random Lines

Beginning at the original cor. of Tps. 12 N., Rs. 29 and 30 E., hereinafter described.

North, bet. secs. 31 and 36.

39.90 Fall 12 lks. W. of the original $\frac{1}{4}$ sec. cor., hereinafter described.

79.80 Fall 24 lks. W. of the original cor. of secs. 25, 30, 31, and 36, hereinafter described. The true course of the S. half mile is, therefore, N. 0°10' E. and the dist. is 39.90 chs.; the N. half mile is, therefore, N. 0°10' E. and the dist. is 39.90 chs.

Beginning at the original cor. of secs. 25, 30, 31, and 36.

North, bet. secs. 25 and 30.

39.92 Fall 12 lks. W. of the original $\frac{1}{4}$ sec. cor., hereinafter described. The true course of this half mile is, therefore, N. 0°10' E. and the dist. is 39.92 chs.