

Fractional Subdivision of T. 43 N., R. 18 E.

Chains

Equivalent to a, m. time - - - - -21h. 19.2m.

U.C. Pol. May 21, Greenwich, a.m. 9h. 35.0m.

Reduction to local longitude 1.3

U.C. Pol. at obsn. station, a.m. 9h. 33.7m. 9 33.7

Hour angle of Polaris at observation. - - - - 11h. 45.5m.

Azimuth of Polaris 0° 5.0' W. May 21, 1914.

May 22: At 9:30 a. m. I lay off the azimuth of Polaris 0° 5' to the East, and mark a point in the true meridian on a stake firmly driven in the ground, about 5.00 chs. N. of my station. Clouds prevent a solar obsn.

At this station I set off 41° 36' N. on the lat. arc and 20° 20' N. on the decl. arc, and at 10h. 0m. a. m., 1. m. t., determine with the solar a meridian, which differs less than 30" from that established by the Polaris observation.

Rain at apparent noon prevents an observation for lat.

At this station at 4h. 0m. p. m., 1. m. t., I set off 41° 36' on the lat. arc and 20° 23' N. on the decl. arc, and determine with the solar a meridian, which differs less than 30" from that established by the Polaris observation. I conclude therefore that the adjustments of my instrument are satisfactory.

Subdivisions.

As the N. and E. boundaries of this township are defective in alignment, measurement and position, I subdivide as follows:

May 28: At 7h. 45m. a. m., 1. m. t., I set off 41° 41' on the lat. arc and 21° 24.5' N. on the decl. arc, and determine a meridian with the solar at the point for the permanent cor. of secs. 1 and 2 on the N. bdy. of the Tp., the cor. being subsequently set and heretofore described. Thence I run

South, on a blank line between secs. 1 and 2.

73.09 Marked a temporary point for the cor. of secs. 1, 2, 11 and 12.