

Subdivision of frac. T. 24 N. R. 21 E.

Chains.

Survey commenced July 24, 1911, by Guy P. Harrington, U. S. Surveyor, and executed with Young & Sons transits, Nos. 8388 & 8394 with solar attachment. The horizontal limbs are provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

For description of iron posts, see page 33.

At my camp which is in Sec. 15, T. 24 N., R. 21 E., Lat. 39° 57' N., Long. 119° 37' W. At 7h 23m p.m., l.m.t., I observe Polaris in position and mark the line of sight on the ground.

Time U. C. Polaris, July 24, - - - - - 17h 20.3m

Time of observation, July 24, - - - - - 7h 23.0m

Time to succeeding culmination 9h 57.3m

From table VII of the Manual, the corresponding azimuth is 0°45.3'E.

July 25, 1911. I turn 0°45.3' to the W. of the line of observation of Polaris and mark the meridian thus established by permanent points. Upon this meridian I make frequent tests of my solar instruments while engaged in the subdivision of the township.

July 24, 1911. At 7h 30m a.m., l.m.t., I set off 39° 54' on the lat. arc, 20° 03' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp.

Thence I run

N. 0° 01' W. bet. secs. 35 and 36.

Over rolling land.

40.00 Set an iron post 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. bet. secs. 35 and 36, with brass cap stamped

$\frac{1}{4}$ S 35 in W. half
S 36 in E. half

Build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

51.00 Mountain spur, hrs. NW. and SE. Continue ascent.

78.00 Top of ridge, hrs. NW. and SE. Thence descend.

86.00 Set an iron post 26 ins. in the ground, for the cor. of secs. 25, 26, 35 and 36, with brass cap stamped

T 24 N S 25 in NE. quadrant
R 21 E S 36 in SE. quadrant
S 35 in SW. quadrant
S 26 in NW. quadrant
1 notch on S. and 1 on E. edge.