

Retracement of the N. bdy. of fracl. T. 24 N., R. 34 E.

Chains

Nov. 16, 1912.✓

At the $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4, T. 24 N., R. 33 E., which is near my camp, 3 h., p. m., L, M, T, I set off $18^{\circ} 48'$ S. on the decl. arc and $39^{\circ} 59'$ N. on the lat. arc and determine a meridian with the solar and marked the meridian thus determined with a tack in hub, set firmly in the ground at a point on the line about 5 chs. N. of my station.

Nov. 17, 1912.✓

At 3 h., 41 m., a. m. l. m. t. I observed Polaris at western elongation according to instructions in the manual, and marked the line thus obtained at a point about 5 chs. N. of my station.

At 8 h., 30 m., a. m., l. m. t., I lay off the azimuth of Polaris $1^{\circ} 31'$ to the E. The meridian thus determined coincides with the solar meridian established yesterday afternoon.

At 9 h. a. m., l. m. t., I set off $18^{\circ} 59'$ S. on the decl. arc and $39^{\circ} 59'$ N. on the lat. arc and tested my solar on the polaris meridian and found same to be in good adjustment.

Nov. 15, 1912.

At the NE. cor of T. 24 N., R. 33 E., at 3 h., p. m., l. m. t., I set off $18^{\circ} 33'$ S. on the decl. arc and $39^{\circ} 59'$ N. on the lat. arc and determine a meridian with the solar, and run

East on a random line bet. secs. 6 and 31, and at

45.66 Intersect a point 5.56 chs. N. of the old $\frac{1}{4}$ sec. cor. which is a trap rock, 4 X 12 X 8 ins. above the ground, marked and witnessed as described by the Surveyor General.

Note- It is evident by the position of the W. bdy. of T. 25 N., R. 34 E. and the position of the N. bdy. of T. 24 N., R. 34 E. that the present NE. cor. of T. 24 N., R. 33 E. is not identical with the SW.