

Retracement and Resurvey of the

Second Standard Parallel South through Range 62 E.

chains a.m., is N. $16^{\circ} 10'$ W.; the angle thus determined gives the mag. decl., $16^{\circ} 10'$ E.

At 11h 53m l.m.t., I set off $22^{\circ} 55'$ S. on the decl. arc and observe the sun on the meridian; the resulting lat. is $37^{\circ} 13'$ N.

Note: A 5 chain steel tape and clinometer were used on all measurements of this work, the tape being frequently tested by comparison with a standard one chain steel tape kept for this purpose.

December 10, 1916.

From the standard cor. of Ts. 8 S., Rs. 61 and 62 E., which is a trachyte stone, $18 \times 12 \times 10$ ins. above ground, firmly set in mound of stone, marked and witnessed as described by the surveyor general, I retrace East, on the 2nd Standard Parallel South and S. bdy. of sec. 31. 39.94 Fall 26 lks. S. of the standard $\frac{1}{4}$ sec. cor. which is a trachyte stone, $12 \times 9 \times 9$ ins. above ground, firmly set in mound of stone, marked and witnessed as described by the surveyor general; therefore the true course of the half mile is N. $89^{\circ} 38'$ E., and the distance is 39.94 chs.

From the standard $\frac{1}{4}$ sec. cor., just described, and with continuous chaining, I retrace E. along S. bdy. sec. 31.

79.94 After diligent search, I find no trace of the standard cor. of secs. 31 and 32.

Set temp. point for standard cor. of secs 31 and 32.

From the temp. point for the standard cor. of secs. 31 and 32, I retrace East, on the Second Standard Parallel South and S. bdy. of sec. 32.

40.00 Unable to find any trace of standard $\frac{1}{4}$ sec. cor. Set temp. point.

80.00 After diligent search, find no trace of standard cor. of secs. 32 and 33.

Set temp. point for cor. of secs. 32 and 33.

From the temp. point for standard cor. of secs. 32 and