

2. Retracement of the W. Bdy. of T. 34 N., R. 45 E.

Chains.	<p>Sept. 30, on which the meridian falls 00.4 ins. east of the mark determined by the solar.</p> <p>At 8h.00m., a.m., l.m.t., I set off $40^{\circ}49'N.$ on the lat. arc; $3^{\circ}05'S.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.2 ins. east of the meridian established by the Polaris observations.</p> <p>The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively, about 21" west and 10" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.</p> <p>The magnetic bearing of the true meridian, at 8h.30m., a.m., is $N.18^{\circ}50'W.$; the angle thus determined gives the magnetic decl., $18^{\circ}50'E.$</p> <p>I also examine the adjustments of the second instrument and find them satisfactory.</p>
	<p>At the cor. of Tps. 33 and 34 N., Rs. 44 and 45 E., previously reestablished, I set off $40^{\circ}45'N.$ on the lat. arc; $3^{\circ}06\frac{1}{2}'S.$ on the decl. arc; and at 9h.00m., a.m., l.m.t., determine with the solar, a meridian.</p> <p>Thence I retrace N. on blank line bet. secs. 31 and 36.</p>
40.00	After diligent search, I find no evidence of old $\frac{1}{4}$ sec. cor.
80.50	<p>Fall 19 lks. E. of the cor. to secs. 25, 30, 31, and 36, which is a willow stake showing 10 ins. above ground, set in a mound of earth, marked with 1 notch on S. and 5 notches on N. edges.</p> <p>The true course of this line is therefore $N.0^{\circ}08'W.$ and the distance 80.50 chs.</p>
	<p>From the above cor., I continue retracement N. bet. secs. 25 and 30.</p>
40.00	After diligent search, I find no evidence of old $\frac{1}{4}$ sec. cor.
80.86	Fall 21 lks. W. of the cor. of secs. 19, 24, 25, and 30