

Resurvey of the W, Bdy. of T. 35 N., R. 65 E.

Chains. Survey commenced July 14, 1914: For description of instrument, and the approval by Assistant Supervisor, see first part of book for T. 37 N., R. 65 E.

July 15, 1914: At 3h.56m., pm., lmt., I set off $40^{\circ}55\frac{1}{2}'$ N. on the lat. arc; $21^{\circ}34'$ N. on the decl. arc; and determine a meridian with the solar, at a station established at my camp, which is located near the cor. of secs. 15, 16, 21, and 22, lat. $40^{\circ}55\frac{1}{2}'$ N.; long. $114^{\circ}38'$ W. I mark a point on this line, on a stake firmly set in the ground, about 5 chs. N. of my station.

At 11h.59m., p.m., l.m.t., I observe Polaris at approximate eastern elongation, and mark a point on this line in a stake firmly set in the ground, about 5 chs. N. of my station.

July 15, 1914.

July 16, 1914: At 6h.00m., a.m., l.m.t., I set off the azimuth of Polaris, $1^{\circ}32'$ W., and mark a point in the meridian thus determined, by driving a small nail in the stake already set about 5 chs. N. of my station.

This meridian falls approximately 1' E. of the meridian determined with the solar.

At 8h.00m., a.m., l.m.t., I set off $40^{\circ}55\frac{1}{2}'$ N. on the lat. arc; $21^{\circ}28'$ N. on the decl. arc; and determine a meridian with the solar, at the above named station. This meridian falls approximately $1\frac{1}{2}'$ to the E. of the meridian determined by observing Polaris.

The magnetic bearing of the true meridian at 8h.10m., a.m., l.m.t., is N. $18^{\circ}14'$ W.; the angle thus determined gives the mag. decl. $18^{\circ}14'$ E.

All lines were measured with a 5 ch. steel tape, and slope angles read with a clinometer.

July 16, 1914.

July 14, 1914: At 8h.00m., a.m., l.m.t., I set off $40^{\circ}58'$ N. on the lat. arc; $21^{\circ}46\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar, at the old closing