

Resurvey of Part of the N. Bdy. of T. 36 N., R. 67 E.

Chains.

September 19, 1914: At 10h.00m., a.m., l.m.t., I set off 41°03'N. on the lat. arc; 1°38'N. on the decl arc; and determine a meridian with the solar, at the cor. of Ts. 36 and 37 N., Rs. 67 and 68 E., heretofore described.

Thence I run

N.89°44'W. on a retracement of the N. Bdy. of Tp., bet. secs. 1 and 36.

Making diligent search for old 1/4 sec. and sec. cors., at intervals of 40.00 chs., but finding none until at

160.58

Intersect a lime stone 10x8x8 ins. above ground, with faint chisel mks. Being unable to absolutely identify this as the old cor., I continue retracement along the N. Bdy. of Tp.

80.00

Set a temp. cor. for secs. 3, 4, 33, and 34.

September 19, 1914.

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September 20, 1914: I spend this day in camp, comparing meridians established with the solar, with the one established with Polaris observation. Comparing at intervals of one hour, throughout the day, I find the maximum error to be 2' to the left at one oclock. At 11h.54m., a.m., l.m.t., I observe the sun for altitude, with the main telescope of my instrument. The resulting latitude is 41°00 1/2'N.

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September 21, 1914: At 8h10m., a.m., l.m.t., I set off 41°03'N. on the lat. arc; 0°54'N. on the decl. arc; and determine a meridian with the solar, at the temp. cor. of secs. 3, 4, 33, and 34.

Thence I continue

N.89°44'W. on a retracement of N. Bdy. of Tp.

At 318.86 chs. W. of the lime stone, heretofore described, I set a temp. cor. for Ts. 36 and 37 N., Rs. 66 and 67 E.

Thence I run

S.89°52'W. on a retracement of the N. Bdy. of T. 36 N.,