

SOUTH BOUNDARY OF T. 39 N., R. 26 E.

Chains

Survey commenced Oct. 7, 1910, and executed with a C. L. Berger and Sons' Mining Transit, No. 2, the horizontal limb being provided with two opposite verniers reading to one minute of arc.

I examine the adjustment of Transit, and correct the level and collimation errors. I proceed as follows. At the cor. of Tps. 38 and 39 N., Rs. 26 and 27 E., heretofore described, latitude  $41^{\circ} 12'$  N., longitude  $119^{\circ}$  W., at  $6^h 30^m$  p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the manual, and mark the line thus determined by a tack driven in a wooden peg, firmly set in the ground, 5 chs. north of the corner.

October 7, 1910.

cont

October 8, 1910; at 8 a.m., I lay off the azimuth of Polaris  $1^{\circ} 33' 27''$  to the west, and mark the true meridian thus determined by a tack driven in a wooden peg, firmly set in the ground, west of the point established last night. The magnetic bearing of said true meridian is N.  $17^{\circ} 45'$  W., which gives the magnetic declination of  $17^{\circ} 45'$  east.

At this corner, I lay off from the meridian an angle of  $90^{\circ}$  from north to west, and run.

West on a random line along the S. bdy. of T. 39N., R. 26E., setting temp.  $\frac{1}{4}$  sec. cors. at intervals of 40 chs.

At 480 chs. set temp. point for cor. of Tps. 38 and 39N., Rs. 25 and 26 E. At this point I make careful search for Tp. cor. which is described by the Surveyor General as a stone, with a mound of stone W. of cor., but was unable to find any trace of stone, or mound of stone.

October 8, 1910.