

2. Retracement of the East Boundaries of Tps. 32 and 33 N., R. 59

the errors in the plate levels, then at 8h 32.3m.p.m., l. m. t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, with a tack in a stake firmly set in the ground about 5.00 chs. N. of my station.

September 7: At 7 a.m., l. m. t., I lay off the azimuth of Polaris,  $1^{\circ}31'$  to the west, and mark the meridian thus determined with a nail in a stake driven in the ground about 5.00 chs. N. of my station; and also observe and note a tree, which falls in the line of the meridian, on the top of a spur about three miles N. of my station.

September 18: At camp in sec. 32, T. 33 N., R. 59 E., near the cor. of secs. 4, 5, 32 and 33, latitude  $40^{\circ}40'$  N., longitude  $115^{\circ}21'$  W., I observe Polaris at 7h 45.3m.p.m., l. m. t., at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, with a nail in a stake set firmly in the ground about 5.00 chs. N. of my station.

September 19: At 7 a.m., l. m. t., I lay off the azimuth of Polaris,  $1^{\circ}31'$  to the west, and mark a point in the meridian thus determined with a nail in a stake driven in the ground about 5.00 chs. N. of my station.

All the lines on this survey were measured with 5.00 ch. Lallie steel tapes and the vertical angles read with Dietzgen clinometers.

The adjustments of the instruments were examined frequently during the survey.

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Having observed Polaris near the point for the old cor. of Tps. 32 and 33 N., Rs. 59 and 60 E., which I am unable to find, I extend the meridian to the old cor. of secs. 25, 30, 31 and 36, T. 33