East Boundary of T. 9 S., R. 67 E.

Chains

Survey commenced July 4, 1911.

At my camp, which is located in the N. W. 1/4 of Sec. 3, T. 10 S., R. 67 E., 20 chs. S. of the N. bdy. of said Tp., in lat. 37° 06' N., I set a stake firmly in the ground. I set up the instrument over tack in this stake and adjust the level and collimation errors; then in order to test the solar apparatus, by comparing the results of observations on the sun, made during a. m. and p. m. hours, with a true meridian determined by observations on Polaris, I proceed as follows:

At 5h 04m p. m., l. m. t., I set 37° 06' N. on the lat. arc, 22° 56' N. on the decl. arc, and mark the meridian thus determined with the solar, by a cross on a stone firmly set in the ground, 5 chs. N. of the instrument.

July 4, 1911

July 5: At 12h 47m a. 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 set in the ground, 5 chs. N. of my station.

At 6h a. m., I lay off the azimuth of Polaris, 1° 28'; to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.3 ins. west of the mark determined by the solar.

At 7h 04m a. m., l. m. t., I set off 37° 06' N. on the lat. arc, 22° 53' N. on the decl.