

Chains

Survey commenced Aug. 27, 1911, and executed with a C. L. Berger & Sons Mining transit, No 2, the horizontal line is provided with two opposite verniers reading to a single minute of arc. I examine the adjustments of the transit, and correct the level and collimation errors. I begin at the standard corner of township 41[✓] North, ranges 18 and 19[✓] east, which is an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, marked and witnessed as per instructions.

At a point 2.89[✓] ft. south of said standard corner, in latitude 41[✓]°22' N., longitude 119[✓]°^{54'16"} W., at 9^h11.9^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, set in the ground, five chains north of my station.

Aug. 27, 1911

Aug. 28, 1911: At 7 a.m., l.m.t., I lay off the azimuth of Polaris, 1[✓]°33' to the west and north, the true meridian thus determined, by a tack driven in a wooden peg, set in the ground, west of the point established last night, the magnetic bearing of said true meridian is N 19[✓]° W., which gives the magnetic declination 19[✓]° east.

At this station, the point 2.89 ft. S. of the standard cor. I turn off from the true meridian, an angle of 89[✓]° 57.7' toward the west, and run N 89[✓]°57' W., on the se-