

Chains

The solar apparatus by p.m. and a.m. observations coincide with the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8^h 00^m a.m. is N.16° 40'W., the angle thus determined gives the magnetic declination 16° 40'E.

A five chain tape and clinometer was used on all measurements of this work.

November 11, 1914.

November 18, 1914: As there have been no subdivisinal surveys made heretofore in connection with the Second Standard Parallel North through Range 60 E., I resurvey same as follows:

Note: Having only one party, and it being impracticable to secure an additional set of chainmen, I therefore do not double chain this line.

The old standard cor. of Tps. 11 N., Rs.60 and 61 E., is a post greatly decayed, and the marks are nearly obliterated. I therefore reestablish it at the same point as follows:

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, (for standard cor. of Tps. 11 N., Rs.60 and 61 E.,) with brass cap marked

T11N	
R60E	R61E
S36	S31

1914

and dig pits, 30x24x12 ins., crosswise on each line, E. and W., 4 ft., and N. of post, 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high, N. of cor.

I bury the old cor., a cedar post, alongside of the iron post.

At 9^h 45^m a.m.l.m.t., I set off 38° 45'N., on the lat. arc; 19° 08'S., on the decl. arc; and determine a meridian