

West Boundary of T. 28 N., R. 37 E.

3.

Chains.

at 2h 33.1m, a.m., 1. m. t., I observe Polaris at western elongation, as follows: From the line bet. secs. 10 and 11, which has a bearing of N.0°03'E., I turn an angle of 1°32' to the west. This line falls within a few seconds of arc of Polaris.

Dec. 5, 1917.

The magnetic bearing of the true meridian in camp at 7h 0m, a.m., 1. m. t., Sept. 29, 1917, is N.18°45'W.; the angle thus determined gives the magnetic declination 18°45'E.

The measurements in the survey of this township were taken with a 5 ch. Lallie steel tape and the slope angles determined by the use of a Dietzgen clinometer. The clinometer was frequently tested and the tape compared with a standard one chain steel tape kept for this purpose.

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

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From the old cor. of Tps. 28 and 29 N., Rs. 36 and 37 E., which is a volcanic stone 16x14x12^{ins.} above ground, firmly set, and marked and witnessed as described by the Surveyor General.

S. on a true line bet. secs. 1 and 6.

Over gently rolling valley, through dense shadscale and scattering greasewood.

10.80 Dry wash, 50 lks. wide 10 ft. deep, course N.60°W.

39.30 Dry wash, 40 lks. wide 4 ft. deep, course N.70°W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked:

$$\begin{array}{c} \frac{1}{4} \\ | \\ S \ 1 \quad S \ 6 \\ | \\ 1917 \end{array}$$

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

45.00 Dry wash, 40 lks. wide 6 ft. deep, course N.70°W.