

Test of Instruments.

and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude-----36° 39' 15".

Reduced latitude-----40° 17' 54" ✓

Mean watch time of observation----11h.32m.10s.

Watch slow of local mean time-----11m.44s. ✓

Measurements on the surveys in this township were made with a Lallie 5.00 ch. steel tape, which was compared with a standard 1.00 ch. tape. Slope angles were determined by means of the transit and by the use of clinometers, the adjustments of which, were made by comparing their readings with those of the transit.

Retracement of a portion of the N. Bdy. of T. 28 N., R. 41 E.

Chains. -----

From the old cor. of secs. 2, 3, 34 and 35, on the N. Bdy. of the township, which is hewn juniper post, decayed and lying on the ground, with all markings obliterated. Evidence of an old mound of earth.

East, on retracement, bet. secs. 2 and 35.

40.00 After diligent search no trace of the old $\frac{1}{4}$ sec. cor. could be found. Set temp. point.

79.82 Fall 28 lks. N. of the old cor. of secs. 1, 2, 35 and 36, which is a hewn juniper post, $1\frac{1}{2}$ ins. square, 3 ft. long, set in a mound of stone, with markings S36 T N. No other markings discernible. ✓

The course of this mile is S. 89° 48' E. and the distance is 79.82. chs.

East, on retracement, bet. secs. 1 and 36.

40.00 After diligent search no trace of the old $\frac{1}{4}$ sec. cor. could be found. Set temp. point.

80.00 After diligent search no trace of the old cor. of Ts. 28 and 29 N., Rs. 41 and 42 E. could be found. Set temp. point.