

Test of Instruments.

I conclude that the adjustments of the instrument are satisfactory.

Frequent tests of the solar apparatus were made throughout the survey of the township by direct solar observations on line, and by frequent tests on the Polaris meridian established at camp.

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 the use of clinometers, the adjustments of which were made by comparing their readings with those of the transit.

Retracement of the W. Bdy. of T. 43 N., R. 39 E.

From the cor. of T. 43 N., Rs. 38 and 39 E., which is a granite stone, 24 x 14 x 12 ins., firmly set in a mound of stone, marked with 6 grooves on N., E. and W. faces,

North, on retracement, bet. secs. 31 and 36.

40.00 After diligent search failed to find any traces of the old $\frac{1}{4}$ sec. cor. Set temp. point.

79.97 Fall 12 lks. E. of the old cor. of secs. 25, 30, 31 and 36, which is a granite stone, 16 x 12 x 8 ins., firmly set in amound of stone, marked 5 grooves on N. face and 1 groove on S. face.

The course of this mile is N. $0^{\circ} 05'$ W. and the dist. is 79.97 chs.

From the old cor. of secs. 25, 30, 31 and 36,

North, on retracement, bet. secs. 25 and 30.

40.00 After diligent search failed to find any traces of the old $\frac{1}{4}$ sec. cor. Set temp. point.

80.69 Fall 73 lks. W. of the old cor. of secs. 19, 24, 25 and 30, which is a granite stone, 10 x 8 x 5 ins. above ground, firmly set in a mound of stone, marked with 4 notches on N. face and 2 notches on S. face.