

Test of Instruments.

Chains

and 0' 21" W. of 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 3h 45m, p.m. l.m.t., is N. 18° 45' E.; the angle thus determined gives the mag. decl. 18° 45' E.

Measurements were made with steel tapes, 5 chs. in length, which were compared with a standard 1.00 ch. steel tape used for this purpose.

Vertical angles were read with clinometers, and frequently tested and adjusted.

Retracement of North Boundary of T. 33 N., R. 59 E.

Preliminary to the reestablished of the exterior lines

I retrace said lines, making diligent search for old cors. at 40.00 and 80.00 chs., and setting temp. points.

When an old cor. is reached I return along the line and adjust all temp. points to distances proportional to those of the original survey.

I commence at the old cor. of Tps. 33 and 34 N., Rs. 58 and 59 E., which is a stake, 2x2x24 ins. dia., which is greatly decayed and marks nearly obliterated, setting loosely in a mound of stone at cor. of wire fence, and reestablish it at the same point as follows:

Set an iron post, 3 ft. long, 3 ins. dia., 16 ins. in the ground, and 8 ins. in a mound of stone, for cor. of Tps. 33 and 34 N., Rs. 58 and 59 E., with brass cap mkd.

T34N

R58E | R59E

S36 | S31

S1 | S6

T33N

1917

raise a mound of stone, 2 ft. base, 1½ ft. high S. of

cor.

Thence retrace

East on N. bdy. of T. 33 N., R. 59 E.

30.64 Fall 17 lks. S. of the old closing cor. on W. bdy. of