

## Survey of random line of E. Bdy. of T. 27 N., R. 44 East.

9

Chains

Not on meridian at noon on this date for an observation for latitude.

May 10, 1915.

Random by H.W. Reppert.

May 11, 1915: At 9h. 10m., a.m. l.m.t., I set off  $40^{\circ} 09'$  N. on the lat. arc;  $17^{\circ} 44'$  N. on the decl. arc and determine a meridian with the solar at the temp. point for the cor. of secs. 3, 4, 33 and 34 on the S. bdy.

Thence I continue E. on a random line on the S. bdy. of the Tp. and at a distance of 479.39 chs. from the cor. of Tps. 26 and 27 N., Rs. 43 and 44 E., I set a temp. point for the cor. of Tps. 26 and 27 N., Rs. 44 and 45 E. I make a diligent search of six hours for the old cor. of Tps. 26 and 27 N., Rs. 44 and 45 E., but am unable to find any traces of the same.

Not on the meridian at noon on this date to make an observation for latitude.

May 11, 1915.

## SURVEY OF RANDOM LINE OF E. BDY. OF T. 27 N., R. 44 EAST

Random line by H.W. Reppert.

May 12, 1915: At 9h. 45m. a.m., l.m.t., I set off  $40^{\circ} 09'$  N. on the lat. arc;  $18^{\circ} 00'$  N. on the decl. arc and determine a meridian with the solar at the temp. point for the corner of Tps. 26 and 27 N., Rs. 44 and 45 E.

Thence I run

North on a random line on the E. bdy. of the tp., setting temp.  $\frac{1}{4}$  and sec. cors. at intervals of 40.00 chs.

160.00

Set a temp. point for the cor. of secs. 19, 24, 25 and 30 at the close of the days work.

Clouds obscured the sun at noon on this date and prevented an observation for latitude.

May 12, 1915.

Random by W.R. Johnston.

May 15, 1915: Clouds obscure the sun in the a.m. on this date and I am unable to make a solar observation. From the temp. point for the cor. of secs. 19, 24, 25 and 30 a backsight left by Reppert on the summit of a ridge about 20.00 chs. S. is plainly visible, therefore at the above sec. cor. I sight on this backsight which has a known bearing of S. from the temp. point, transit the telescope and run N. on a random line bet. secs. 13 and 18, 7 and 12, setting temp.  $\frac{1}{4}$  and sec. cor.

160.00

Set a temp. point for the cor. of secs. 7, 12, 13 and 18, at the close of the days work.

Cloudy at noon on this date and I am unable to make an observation for latitude.

May 15, 1915.

Random line by H.W. Reppert.

May 20, 1915: At 8h. 30m., a.m., l.m.t., I set off  $40^{\circ} 12'$  N. on the lat. arc;  $19^{\circ} 51\frac{1}{2}'$  N. on the decl. arc and determine a meridian with the solar at the temp. cor. of secs. 7, 12, 13 and 18 on the E. bdy. and continue my random line North bet. secs. 7 and 12, 1 and 6, setting temp. points for  $\frac{1}{4}$  and sec. cors. at intervals of 40.00 chs. and at a distance of 160.00 chs. I set a temp. point for the cor. of Tps. 27 and 28 N., Rs. 44 and 45 E. At this point I make a diligent search for the cor. of Tps. 27 and 28 N., Rs. 44 and 45 E., but am unable to find any traces of the same.

May 20, 1915.