

Retracement of S. Bdy. of T. 42 N., R. 61 E.

5.

Chs

which I re-establish as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground with brass cap mkd:

T 43 N	
R60E	R61E
S36	S31
S1	S6
T 42 N	
1914	

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

Land, heavily rolling.

Soil is rich, black loam, on gravel and clay subsoil. Scattering boulders, and a few outcrops of solid volcanic rock.

No timber.

Undergrowth of sage, buck, and service brush.

Abundant growth of grass.

October 29, 1914.

RETRACEMENT OF S. BDY. OF T. 42 N., R. 61 E.

Oct. 20, 1914: At 8 h 0 m A.M., l.m.t., I set off $41^{\circ}29'N.$ on the lat. arc; $10^{\circ}09'S.$ on the decl. arc; and determine a meridian with the solar at the cor. of Ts. 41 and 42 N., Rs. 60 and 61 E.

Thence I run

N. $89^{\circ}59'E.$ on a retracement between secs. 6 and 31.

45.64 Old $\frac{1}{4}$ sec. cor. of secs. 6 and 31, 8 lks. S. of line. A quartzite, $12 \times 6 \times 10$ ins. above ground, marked and witnessed as described by the Surveyor General.

The course of this line is therefore S. $89^{\circ}54'E.$

85.65 Old cor. of secs. 5, 6, 31 and 32, bears N. 1.00 ch. A quartzite, $20 \times 10 \times 8$ ins., mkd. and witnessed as described by the Surveyor General.

The course of the last $\frac{1}{2}$ mile is therefore N. $88^{\circ}26'E.$, and the length 40.02 chs.

N. $89^{\circ}59'E.$ on a retracement between secs. 5 and 32.

40.43 Only evidence of old corner found is an old mound of stone, which bears S. 61 lks.

The course of this line is therefore S. $89^{\circ}08'E.$, and the length 40.44 chs.

Continue same line N. $89^{\circ}59'E.$, from $\frac{1}{4}$ sec. cor.

80.00 No evidence of old corner. Set a temporary section corner for secs. 4, 5, 32 and 33.

At this temporary corner, I set off $10^{\circ}14'S.$ on the decl. arc, and at 11 h 45 m A.M., l.m.t., observe the sun on the meridian, the resulting lat. is $41^{\circ}29'N.$

N. $89^{\circ}59'E.$ on a retracement between secs. 4 and 33.

40.00 No evidence of old $\frac{1}{4}$ sec. cor. October 20, 1914.

October 22, 1914:

At 9 h 0 m A.M., l.m.t., I set off $41^{\circ}29'N.$ on the lat. arc; $10^{\circ}53'S.$ on the decl. arc; and determine a meridian with the solar at the temporary $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Thence I run

N. $89^{\circ}59'E.$ on a retracement.

80.00 After diligent search could find no trace of cor.