

21842-249

Township 30 South, Range 2 East.

Chains	
	<p>Same, by reference to radio time signals and calculated difference in longitude ----- 10m 28s</p> <p>Every 30 min. from 7 to 10:30 a.m. and from 1:30 to 5 p.m., I make proper settings on the arcs of the solar attachments and ascertain that the resulting orientations of the instruments, when compared with the meridian established by Polaris observation, have maximum errors of less than 1' 30".</p> <p>I repeat the tests of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.</p> <p>The observed magnetic declination is 20°E.</p>
	<p>Dependent Resurvey of North Boundary of T. 31 S., R. 2 E.</p> <p>"Reestablishment of the Surveys executed by Peter Applegate, Deputy Surveyor, in 1891."</p>
	<p style="text-align: center;">Retracements</p>
39.80	From the cor. of Tps. 30 and 31 S., Rs. 2 and 3 E. West, bet. secs. 1 and 36.
80.24	Fall 58 lks. S. of $\frac{1}{4}$ sec. cor. Fall 93 lks. S. of cor. of secs. 1, 2, 35, and 36.
40.00	From the cor. of secs. 1, 2, 35, and 36. West, bet. secs. 2 and 35.
80.33	Find no evidence of $\frac{1}{4}$ sec. cor. Fall 114 lks. S. of cor. of secs. 2, 3, 34, and 35.
40.39	From the cor. of secs. 2, 3, 34, and 35. West, bet. secs. 3 and 34.
80.66	Fall 100 lks. S. of $\frac{1}{4}$ sec. cor. Fall 183 lks. S. of cor. of secs. 3, 4, 33, and 34.
40.20	From the cor. of secs. 3, 4, 33, and 34. West, bet. secs. 4 and 33.
80.41	Fall 60 lks. S. of $\frac{1}{4}$ sec. cor. Fall 133 lks. S. of cor. of secs. 4, 5, 32, and 33.
40.31	From the cor. of secs. 4, 5, 32, and 33. West, bet. secs. 5 and 32.
80.47	Fall 69 lks. S. of $\frac{1}{4}$ sec. cor. Fall 123 lks. S. of cor. of secs. 5, 6, 31, and 32.
40.09	From the cor. of secs. 5, 6, 31, and 32. West, bet. secs. 6 and 31.
74.08	Fall 63 lks. S. of $\frac{1}{4}$ sec. cor. Fall 114 lks. S. of cor. of Tps. 30 and 31 S., R. 2 E.
	<p>I commence the dependent resurvey at the cor. of Tps. 30 and 31 S., Rs. 2 and 3 E., which is an iron post, 3 ins. diam., 6 ins. above ground, firmly set, marked and witnessed as described in the official record.</p> <p>The geographic position of this cor. is latitude 42° 54$\frac{1}{2}$' N., and longitude 122° 31' W.</p> <p>Thence</p> <p>N. 89° 10' W., on true line, along N. bdy. of sec. 1.</p> <p>Asc. 117 ft. over SE. slope, through heavy timber and light undergrowth.</p>
9.60	Spur, slopes S. 15° W.; desc. 408 ft. over W. slope.