

East boundary of the Duck Valley Indian Reservation
through T. 47 N.

Chains

At 4 p.m., l.m.t., I set off $41^{\circ} 55'$ on the lat. arc, $23^{\circ} 27\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar.

The solar apparatus, by a.m. and p.m. observations, defines positions for meridians within one minute of the meridian established by Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

July 3, 1911. At 8 a.m., l.m.t., I set off $42^{\circ} 00'$ on the lat. arc, $23^{\circ} 02'$ N. on the decl. arc, and determine a meridian with the solar, at the true point for the 100 mile post, on the Idaho-Nevada state boundary line, which true point is 8.15 chs. N. $89^{\circ} 39'$ E. of the old W.C.

Thence I run

South, along the E. bdy. of the Duck Valley Indian Reservation, setting stakes firmly in the ground at intervals of 10.00 chs.

40.00 At this point, I set off $23^{\circ} 01'$ N. on the decl. arc, and at 12h 04m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $41^{\circ} 59'$, which is within one minute of the proper lat.

80.00 Set stake firmly in the ground, marked 1 M.

July 3, 1911.

July 5, 1911. At 8 a.m., l.m.t., I set off $41^{\circ} 59'$ on the lat. arc, $22^{\circ} 52'$ N. on the decl. arc, and determine a meridian with the solar, and from the above cor., continue South, setting stakes firmly in the ground at intervals of 10.00 chs.

40.00 At this point, I set off $22^{\circ} 51'$ N. on the decl. arc, and at 12h 04m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $41^{\circ} 58'$, which is within one minute of the proper lat.