

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

Chains

Survey commenced Sept. 14, 1911, by Francis H. Joy, U. S. Surveyor.

I examine the adjustments of the transit, and correct the level and collimation errors.

The solar apparatus was tested on a meridian established by observations on Polaris, at my camp near the SE. cor. of sec. 36, T. 46 N., R. 50^e E., as described in field notes of subdivision of T. 46 N., R. 51 E.

Sept. 14, 1911.. At 8.00 a.m., l.m.t., I set off 42° 00' on the lat. arc, 3° 43' N. on the decl. arc, and determine a meridian with the solar, at the 120 mile post, on the Idaho-Nevada state boundary line.

Thence I run

South, along the W. bdy. of the Duck Valley Indian Reservation, setting stakes firmly in the ground at intervals of 10.00 chs., for temp. reference points.

240.00 At this point, I set off 3° 38' N. on the decl. arc, and at 11h 56m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 41° 57', which is within one minute of the proper lat.

400.00 Set a stake firmly in the ground.

Sept. 14, 1911.

Sept. 15, 1911. At 8 a.m., l.m.t., I set off 41° 55' on the lat. arc, 3° 19' N. on the decl. arc, and determine a meridian with the solar, at the above point.

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

240.00 At this point I set off 3° 15' N. on the decl. arc, and at 11h 55½m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 41° 51', which is within one minute of the proper lat.

488.08 Intersect the 9th Standard Parallel N., 19.23 chs. W. of