

## Resurvey of the E. bdy. of fracl. T. 39 N., R. 36 E.

Chains Survey commenced Nov. 12, 1913, and executed with Young & Sons light mountain transits, Nos 8572 and 7192, which were examined on the meridian at the Federal building at Reno, Nev., Apr. 29, 1913, found correct in adjustment, and approved by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.

The measurements were made with a 5 chain "Lally" steel tape, and slope angles determined with Leitz clinometers and reduced to horizontal measurements from the traverses of the Standard Field Tables.

At a point near my camp, which is in sec. 2, at 3h. p. m., l. m. t., I set off  $17^{\circ} 42'$  S. on the decl. arc, and  $41^{\circ} 16'$  N. on the lat. arc, and determine a meridian with the solar, and mark the meridian thus determined with a tack in a hub, 5 chs. N. of my station:

November 13, 1913, At 3h, 58.7m., a. m., l. m. t., I observed Polaris at Western elongation, in accordance with Manual of Instructions, and marked a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 8h, a. m., l. m. t., I lay off the azimuth of Polaris  $1^{\circ} 31\frac{1}{2}'$  to the east. The meridian thus determined falls within  $20''$  of the meridian obtained with the solar, yesterday p. m. The sky is cloudy and beginning to rain and I am unable to obtain a solar obsn.

November 13, 1913.

---

November 14, 1913., at 8h, a. m., l. m. t. I set off  $18^{\circ} 08'$  S. on the decl. arc, and  $41^{\circ} 16'$  N. on the lat. arc, and determine a meridian with the solar, The meridian thus determined coincides with the line determined by Polaris obsn. Having tested the solar apparatus of the instruments on the Polaris meridian by both forenoon and afternoon observations and found them to check within  $20''$  of the true meridian, I therefore conclude that the instruments are in good adjustment.

The cor. of Tps. 39 and 40 N., Rs. 36 and 37 E., is a redwood post, 3 X 3 ins., 24 ins. above ground, and marked as described by the surveyor general. The mound and pits are practically obliterated; therefore I destroy all trace of the old cor., and at same point Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in