

125<sup>2</sup>

T. 8 N., R. 45 E.

## Chains

The geographic position of the NE. cor. of T. 8 N., R. 45 E., is as follows: Latitude  $38^{\circ}34'$  N., and the longitude  $116^{\circ}51'$  W.

July 31, 1939, in camp at Belmont, Nevada, in lot 1, sec. 26, T. 9 N., R. 45 E., with Buff solar transit No. 17994, at 11h 10.4m p.m., l.m.t., I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed conditions and place a tack at the mean point on a peg driven firmly in the ground 10 chs. S. of my station.

Azimuth of Polaris at eastern elongation is  $1^{\circ}18'44''$ .

August 1, 1939, I lay off the azimuth of Polaris  $1^{\circ}18'44''$  to the east of my mean point on the peg previously set 10 chs. S. of my station, and mark the meridian thus determined by a tack in a peg driven firmly in the ground approximately 10 chains S.

I now test the solar apparatus of both transits by comparing their indications hourly with the true meridian.

At 7h 00m a.m., app. t., I set off  $38^{\circ}35'30''$  N. on the lat. arcs;  $18^{\circ}10'$  N., on the decl arcs; and determine meridians with the solars, which I find to agree with the true meridian.

At app. noon, with the lat. arcs unchanged, I observe the sun on the meridian; the resulting readings of the decl. arcs are  $18^{\circ}06'$  N., which agree with the computed declination of the sun.

At 5h 00m p.m. app. t., with the lat arcs unchanged I set off  $18^{\circ}04'$  N., on the decl. arcs; and determine meridians with the solars which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1'30''$  of the true meridian I conclude that the adjustments of the instruments are satisfactory.

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Dependent Resurvey of a portion of the N. Bdy. of  
T. 7 N., R. 46 E.

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Reestablishment of a portion of the survey  
executed by C. F. Putnam, Deputy Surveyor,  
1882.

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## Memorandum:

As the corners on the N. bdy. of T. 7 N., R. 46 E., are out of position for the adjoining T. 8 N., R. 45 E., new additional corners are established at regular distances of 40 chains counting westerly from the cor. of Ts. 8 N., Rs. 45 and 46 E., for T. 8 N., R. 45 E., with the reestablishment of the original cors. on the N. bdy. of T. 7 N., R. 46 E., and which are altered to refer and stand for T. 7 N., R. 46 E. only.

Beginning at the cor. of secs. 5 and 6, on the N. bdy. T. 7 N., R. 46 E., marked by the 1931 resurvey monument, an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record; from which