

Independent Resurvey of the Second Standard Parallel South  
Along the South Boundary of T. 8 S., R. 70 E., M.D.M., Nevada

The survey herein described was executed with Buff & Buff light mountain solar transit No. 23817. The bearing of the line was determined by an hour angle observation on Polaris and carried forward by means of foresights and backsights.

The measurements were made with two Lallie steel tapes, each 5 chs. in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard tape and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in this field note record. The mean distance obtained by two sets of chainmen is taken between corner points.

The geographic position of the SW. cor. of T. 8 S., R. 70 E., M.D.M., Nev., is as follows:

Latitude  $37^{\circ} 12' 08''$  N. Longitude  $114^{\circ} 13' 04''$  W.

March 21, 1953, at a point S.  $89^{\circ} 58'$  W., about 4 chs. dist. from the stan. cor. of Ts. 8 S., Rs. 69 and 70 E., make an hour angle observation on Polaris, west of meridian, taking ten sights, five each with the telescope in direct and reversed positions, accumulating the deflection angle from a prominent tree on the skyline ridge about 11 miles northerly left to Polaris:

Mean watch time of observation: (120th mer.)	5h 54.0m, p.m.
Correction to $114^{\circ} 13'$	+ 23.1m
Local mean time of observation:	6h 17.1m p.m.
Upper culmination of Polaris: 1h 54.5m pm.	
Sidereal conversion - 1.3m	= 1h 53.2m
Hour angle	4h 24.9m
Azimuth of Polaris	N. $1^{\circ} 05.8'$ W.
Mean horizontal angle to tree:	- 27.9'
True bearing of reference tree:	N. $0^{\circ} 37.9'$ W.

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Independent Resurvey, superseding the survey  
executed by A. R. Talamantes, in 1911.

In this resurvey, all but one of the iron posts set by Talamantes were found and tied to and the evidence of the original monumentation was then destroyed. The iron posts used by Talamantes were in sound condition and were used to mark the positions of the corners of this resurvey.

The standard cor. of Ts. 8 S., Rs. 69 and 70 E., is monumented with an iron post, 3 ft. long, 3 ins. diam., insecurely set, and marked as described in the 1911 survey record.

At the corner point

Re-set this iron post, 30 ins. in the ground, and additionally mark brass cap to read

T8S  
R69E R70E.  
S C  
S 36 | S 31  
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1953  
1911

Raise a mound of stone, 3 ft. diam., around post to top.