

OBS.	TELES-	WATCH	VERTICAL	HORIZONTAL
OBS.	COPE	SUN	ANGLE	ANGLE
		TIME		
1st	Direct	☉	29° 32' 30"	53° 53' 00"
	Reversed	☽	29° 55' 00"	54° 11' 00"
	Mean	1h 45m 50s	29° 43' 45"	54° 02' 00"
2nd	Direct	☉	28° 55' 00"	52° 32' 30"
	Reversed	☽	29° 18' 00"	52° 55' 00"
	Mean		29° 06' 30"	52° 43' 45"
3rd	Direct	☉	28° 38' 30"	51° 59' 00"
	Reversed	☽	28° 58' 30"	52° 14' 30"
	Mean	1h 54m 56s	28° 48' 30"	52° 06' 45"

By first observation, Mark bears - N. 89° 57' 57" W.
 By second observation, Mark bears - N. 89° 57' 29" W.
 By third observation, Mark bears - N. 89° 57' 35" W.

Mean true bearing of mark N. 89° 57' 40" W.

The measurements were made with Lallie steel ribbon tapes 5 and 8 chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were compared with a Lufkin standard steel tape one chain in length and found to be correct. Measurements were made on the slopes, the vertical angles determined with improved type clinometers and the slope measurements were properly reduced to corresponding horizontal distances, which appear in these notes.

SURVEY OF THE SOUTH BOUNDARY OF T. 12 N., R. 30 E.

The cor. of Ts. 12 N., Rs. 30 and 31 E. is to be established on true line East of the cor. of Ts. 12 N., Rs. 29 and 30 E. at a point theoretically South of the cor. of Ts. 12 and 13 N., Rs. 30 and 31 E. By calculation, using the record course and distance of the S. bdy. of T. 13 N., R. 30 E. (surveyed in 1920 under Group 66, Nevada) and the record course and distance of the E. bdy. of T. 12 N., R. 29 E. executed under this current survey group, the length of the S. bdy. of T. 12 N., R. 30 E. is 481.34 chs.; the west half mile is 41.34 chs.

Begin the survey of the S. bdy. of T. 12 N., R. 30 E., at the cor. of Ts. 12 N., Rs. 29 and 30 E., which is an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed, as described in the official record.

East, along the S. bdy. of sec. 31, T. 12 N., R. 30 E., on a tangent line which bears East.

Over rolling land, through medium dense undergrowth; asc. 40 ft. over a gentle W. slope.

3.59 Intersect the 1/4 sec. cor., sec. 2 only, T. 11 N., R. 29 E., which is an iron post, 1 in. diam., firmly set, properly mkd. and witnessed, as described in the official record.