

STATEMENT GROUP 160 NEVADA: TEST OF INSTRUMENTS

Mean horizontal angle 1°17'00"
 Azimuth of Polaris at western elongation 1°19'00"W.
 True bearing of reference point N.0°02'00"W.

April 23, 1932; At a flag point 27.50 chs. E. of the closing cor. secs. 4 and 5, T. 17 S., R. 69 E., on the 4th standard parallel S., in latitude 36°30'N. and longitude 114°18' W., computed from the data furnished with special instructions, I make a series of three altitude observations on the sun for azimuth, making three readings, each with a telescope in direct and reversed positions, observing opposite limbs of the sun and reading the horizontal angle counter-clockwise from a flag point on the line W. to the sun.

Observation	Telescope	Sun	Watch Time	Vertical Angle	Horizontal Angle
First	Direct	o	2h-02m	49°24'00"	26°28'30"
Do	Reversed	o	2h-03m	49°36'00"	26°53'00"
	Mean		2h-02m-30s	49°30'	26°40'45"
Second	Direct	o	2h-05m	48°49'	25°40'30"
Do	Reversed	o	2h-07m	49°04'	26°08'30"
	Mean		2h-06m	48°56'30"	25°54'30"
Third	Direct	o	2h-08m	48°10'	24°47'00"
Do	Reversed	o	2h-10m	48°27'	25°19'00"
	Mean		2h-09m	48°18'30"	25°03'

By first observation, flag bears N. 89°45'30" W.
 By second observation, flag bears N. 89°44'30" W.
 By third observation, flag bears N. 89°45'00" W.
 Mean true bearing of point N. 89°45' 00" W.

DEPENDENT RESURVEY OF THE 4TH STANDARD PARALLEL SOUTH ALONG THE S. BDY. OF T. 16 S., R. 69 E.

Reestablishment of the survey executed by Woods and Myrick, in 1881.

During the preliminary surveys and retracements, prior to the dependent resurvey of the 4th standard parallel S. through Rs. 69, 70, and 71 E., a very careful and extended search was made for evidence of the original survey. No original cors. were found E. of the standard cor. of secs. 33 and 34, T. 16 S., R. 69 E., from which this survey was initiated. This corner is in relative harmony with the existing cors. to the W., as determined by my retracement.

Beginning at the standard cor. of secs. 33 and 34, T. 16 S., R. 69 E., which is a limestone 10x10x4 ins. above ground, firmly set in the center of an old mound of earth and stone and marked with three grooves on the E. and W. faces and SC. on the N. face.

At the cor. point:
 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock and in a mound of stone for the standard cor., secs. 33 and 34, T. 16 S., R. 69 E., with brass cap marked:

SC
 T16SR69E
 S33|S34

1932