

292

T 8 N, R 47 E.

Chains

October 1, 1931, at the southeast corner of T 8 N, R 47 E, in latitude $38^{\circ}29'30''$ N and longitude $116^{\circ}38'20''$ W, (longitude computed) I make a series of altitude observations upon the sun for azimuth, using as a reference point the north edge of a notch in the skyline to the east and which was found, in the survey of the random east boundary, to bear S $89^{\circ}55'30''$ E. Each observation consisting of two settings, first observing, with the telescope in direct position, the upper and right limbs of the sun, noting its altitude and the deflection angle clockwise from the reference point to the sun, then reversing the telescope and observing the left and lower limbs and noting the altitude and deflection angle. Mean watch time of observation, (120 meridian standard) 8h10m45s a.m.

Set-- Telescope-- Vertical Angle-- Horizontal Angle

1	Direct	$26^{\circ}30'00''$	$27^{\circ}57'30''$
	Reversed	$26^{\circ}20'00''$	$27^{\circ}51'00''$
	Mean	$26^{\circ}25'00''$	$27^{\circ}54'45''$
2	Direct	$27^{\circ}22'30''$	$28^{\circ}57'00''$
	Reversed	$27^{\circ}16'00''$	$28^{\circ}57'00''$
	Mean	$27^{\circ}19'15''$	$28^{\circ}57'00''$
3	Direct	$28^{\circ}13'30''$	$30^{\circ}00'00''$
	Reversed	$28^{\circ}01'00''$	$29^{\circ}52'00''$
	Mean	$28^{\circ}07'15''$	$29^{\circ}56'00''$

Mean bearing of reference point S $89^{\circ}55'18''$ E.

The bearing of the township boundaries was determined from these observations and the subdivisional lines were deflected from the boundaries. A constant check, by means of frequent solar and stellar observations, was kept to insure the accuracy of the lines.

North Boundary

Beginning at the corner of Ts 8 and 9 N, Rs 46 and 47 E, which was remonumented with an iron post, 3 inches in diameter, during the survey of T 8 N, R 46 E of this group, a description of which may be found in the notes that survey, and turning an angle, clockwise, of $179^{\circ}03'15''$ from the reference point at the corner of Ts 8 and 9 N, Rs 45 and 46 E and which bears N $89^{\circ}03'15''$ W, I set a flag on true line east. To check the above angle I turn a multiple angle, four repetitions, between these two points and find the final reading on my transit to be $356^{\circ}13'00''$, which agrees with the original setting; thence:

East, on true line, between sections 6 and 31.

Over gently rolling land, through dense undergrowth of sage brush, yellowtop and buckbrush and widely scattered juniper and pinon timber, descend 25 ft.

13.10 Shallow draw, drains N 30° W, ascend 20 ft.

31.20 Broad, shallow draw, drains N 30° W, continue along a N slope.

38.27 Computed distance:

Set an iron post, 3 ft. long and 1 in. in diameter, 27 ins,