

T. 27 N., R. 54 E.

Chains

The survey of T. 27 N., R. 54 E., was executed with Buff and Buff light mountain solar transit, serial number 9210, the property of the General Land Office. For description, date of approval and field test of this instrument, together with the test of all minor equipment, see the field notes of the survey of T. 27 N., R. 55 E., this group.

The geographic position of the SE. cor. of T. 27 N., R. 54 E., is latitude 40° 10' N., and longitude 115° 50' W.

July 8, 1939, near the cor. of secs. 28, 29, 32 and 33, latitude 40° 11' N., longitude 115° 55' W., at 7h 56m a.m., app. t., I make a series of three altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun and reading the horizontal deflection angle from a flag pole about 20 chs. to the N., NE. to the sun.

Observation	Telescope	Sun	Watch time	Vertical Angle	Horizontal angle flag to sun	
1st	Direct	☉	7h41m	35°03'00"	89°21'00"	to NE.
1st	Reversed	☉	7h49m	36°30'00"	89°29'00"	" "
	Mean.....		7h45m	35°46'30"	89°25'00"	" "
2nd	Direct	☉	7h42m	35°11'00"	88°48'00"	to NE.
"	Reversed	☉	7h48m	36°21'00"	90°01'00"	" "
	Mean.....		7h45m	35°46'00"	89°24'30"	" "
3rd	Direct	☉	7h43m	35°54'00"	89°38'00"	to NE.
"	Reversed	☉	7h47m	35°39'00"	89°11'00"	" "
	Mean.....		7h45m	35°46'30"	89°24'30"	" "

By 1st observation, flag bears N. 0° 0' 16" E.  
 By 2nd observation, flag bears N. 0° 0' 24" E.  
 By 3rd observation, flag bears N. 0° 0' 46" E.

Mean bearing of flag.....N. 0° 0' 29" E.

Declination of the sun for mean period of observations 22° 32' 09" N.

The observed magnetic variation is N. 19° 00' E.

SUBDIVISION OF T. 27 N., R. 54 E.

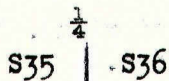
I commence the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in the field notes of the N. bdy. & subdivisional survey of T. 26 N., R. 54 E., surveyed under this group.

N. 0° 01' W., bet. secs. 35 and 36.

Desc. 90 ft. over rolling mountainous land, along a W. slope, thru scattering undergrowth.

36.60 Drain, course W.; asc. 150 ft. along a broken W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for the 1/4 sec. cor., with brass cap mkd.



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raise a mound

of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 17 ins. in the ground