

Subdivision of T. 14 N., R. 68 E.

Chains	
18.00	Ravine, course S. 70° E.; asc. 70 ft.
38.40	Ravine, course N. 75° E.; asc. 60 ft. Road, in bottom of ravine, bears N. 75° E. and S. 75° W.
43.95	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S 6 S 5 1940 from which A pinon pine, 14 ins. diam., bears N. 9 $\frac{1}{2}$ ° E., 158 lks. dist., mkd. $\frac{1}{4}$ S 5 BT. A pinon pine, 8 ins. diam., bears N. 21° W., 208 lks. dist., mkd. $\frac{1}{4}$ S 6 BT. Asc. 80 ft.
66.30	Dim road, bears N. 60° W. and S. 60° E.; asc. 60 ft.
74.20	Top of divide ridge, bears N. 65° W. and S. 65° E.; desc. 130 ft. over broken W. slope.
82.00	Wash, course S. 70° W.; asc. 10 ft.
83.95	The cor. of secs. 5, 6, 7, and 8. Land, mountainous. Soil, light sandy clay loam, medium texture, mixed with coarse gravel and considerable sliderock on surface. Timber, pinon pine, juniper and mahogany. Undergrowth, sagebrush, buckbrush and mahogany brush. Grazing, good.

Final direct altitude observation verifying lines.

September 9, 1940: At the $\frac{1}{4}$ sec. cor. for sec. 12, T. 14 N., R. 67 E., in lat. 39° 05' N. and long. 114° 23' 23" W., I make a series of three altitude observations upon 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 set on a spur; about 11.50 chs. S. which is a meridian determined previously with the solar; S. to SE. to sun.

Obs. Telescope		Sun Watch Time	Vertical Angle	Horizontal Angle
		Pacific Standard		flag to sun
		h m s		
1st	Direct	9-05-21	41° 58'	54° 16'
"	Reversed	9-11-59	43° 32'	53° 14'
	Mean	9-08-40	42° 45'	53° 45'
2nd	Direct	9-06-33	42° 09'	54° 40'
"	Reversed	9-10-36	43° 19'	52° 52'
	Mean	9-08-35	42° 44'	53° 46'
3rd	Direct	9-07-34	42° 19'	53° 36'
"	Reversed	9-09-22	43° 08'	53° 56'
	Mean	9-08-28	42° 43' 30"	53° 46'