

T. 39 N., R. 35 E.

Chains

The subdivisional survey of T. 39 N., R. 35 E., was executed with Buff and Buff light mountain solar transit No. 9210, the property of the General Land Office. For description, date of approval and field tests, together with tests of minor equipment, see page 1, book of exteriors, Tps. 39 and 40 N., Rs. 35 and 36 E., this group.

The geographic position of the SE. cor. of the Tp., as determined by observation of Polaris at lower culmination and heretofore described is latitude 41° 11' 34" N., and longitude 117° 59' W.

The directions of all subdivisional lines were determined by the method of deflections from meridians determined by altitude observations of the sun, a record of one of these follows:

July 16, 1940; at the cor. of secs. 35 and 36, on the S. bdy. of the Tp., I make an altitude observation of the sun, first setting on the sun's lower and left limbs, then after reversal of the instrument, setting on the upper and right limbs; the horizontal angles were measured from a flag upon the subdivisional line, NE. to the sun.

Mean watch time a.m.....	7h 27m 00s
Mean vertical angle.....	29° 43' 00"
Mean horizontal angle.....	86° 44' 00"
Reduced bearing of flag.....	N.0° 01' 10" W.

I commence the subdivisional survey of T. 39 N., R. 35 E., at the cor. of secs. 35 and 36, on the S. bdy. of the Tp.,

N. 0° 01' W., bet. secs. 35 and 36.

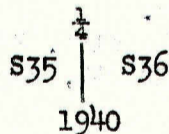
Desc. 190 ft. over mountainous land, on a NW. slope, thru scattering undergrowth.

25.00 Draw, drains S. 70° W.; asc. 40 ft. over a S. slope.

34.50 Spur, slopes W.; desc. 50 ft. over a N. slope.

38.34 Point heretofore determined for the 1/4 sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a granite stone, 7x5x2 ins.; mkd. with a cross (X) deposited at base, for the 1/4 sec. cor., with brass cap mkd.



No suitable accessory.

39.00 Draw, drains N. 80° W.; asc. 60 ft. over a SW. slope.

46.50 Drain, course SW.

57.50 Spur, slopes SW., 30 chs. to point; desc. 60 ft. over a NW. slope.

60.40 Draw, drains SW.; asc. 50 ft. over a S. slope.

73.00 Spur, slopes W.; desc. slightly along a W. slope.

78.34 Intersect the sectional correction line.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with a quart of charcoal deposited at base, for the cor. of secs. 25, 26, 35 and 36, with brass cap mkd.

