

Subdivision of T. 40 N., R. 36 E.

Chains

The subdivisional survey of T. 40 N., R. 36 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° 16' 47" N. and longitude 117° 52' 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:

June 8, 1940: At the cor. of secs. 5, 6, 31 and 32 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, NW. to the sun.

Mean watch time of obsn. p.m.	4h 00m 00s
Mean vertical angle	35° 25' 10"
Mean horizontal angle	89° 16' 30"
Reduced bearing of flag	N. 0° 04' 10" W.

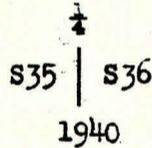
I commence the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Over nearly level land, thru scattering undergrowth.

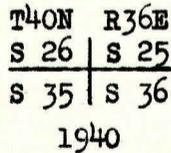
Road bears E. & W.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with a bottle containing cor. description, deposited at base, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.



No suitable accessory.

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



No suitable accessory.

Land, nearly level.

Soil, sandy, alkaline clay; 3d rate.

No timber; undergrowth, sagebrush and shadscale.

Grazing, poor.

East, on a random line bet. secs. 25 and 36.

Set temp. $\frac{1}{4}$ sec. cor.

Intersect the E. bdy. of the Tp., 5 lks. N. of the cor. of secs. 25 and 36.

Thence

N. 89° 58' W., on true line bet. secs. 25 and 36.

.10
40.00

80.00

40.00

80.00