

Township 11 North, Range 58 East

Chains

July 1, 1942, at the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of T. 11 N., R. 58 E., in latitude $38^{\circ} 48' N.$ and longitude $115^{\circ} 30' W.$, I make an altitude observation of the sun for azimuth and time, making 8 observations, 4 each with the telescope in direct and reversed positions, sighting on a flag about 40 chains North.

Mean observed vertical angle	$46^{\circ} 48' 3/4''$
Mean horizontal angle	$96^{\circ} 53'$
Local apparent time of observation	8h 49m a.m.
Azimuth of the sun	S. $83^{\circ} 07' E.$
Direction of flag	North

This verifies the direction of the flag as determined by deflection from the true line bet. secs. 18 and 19, dependently resurveyed in 1941.

Survey of a Portion of the South Boundary of T. 12 N., R. 58 E.

From the cor. of Ts. 11 and 12 N., Rs. 58 and 59 E., monumented with an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record.

West, on the S. bdy. of sec. 36.

Over rough mountainous land, through timber and undergrowth, along S. side of a steep gulch, course N. $80^{\circ} E.$ from W., for entire half mile; desc. 25 ft. over short abrupt NW. slope.

0.86 Steep side drain, course N. $10^{\circ} E.$; asc. 40 ft. over NE. slope.
 2.70 Slope changes to N.; asc. 55 ft. along same.
 9.40 Slope again changes to NE.; asc. 30 ft. over same.
 11.70 Steep hillside drain, course N. $60^{\circ} E.$; asc. 245 ft. over E. slope.
 19.45 Top of a broken cliff, 60 ft. high, facing N. $80^{\circ} E.$; desc. 180 ft. along broken N. slope, over outcroppings and large boulders.
 31.50 Steep hillside drain, course N. $5^{\circ} E.$; asc. 75 ft. over NE. slope to the $\frac{1}{4}$ sec. cor.
 40.00 Point for the S. $\frac{1}{4}$ sec. cor. of sec. 36, T. 12 N., R. 58 E.
 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$ S 36
 1941

from which

A balsam, 5 ins. diam., bears N. $53\frac{1}{2}^{\circ} E.$, 24 lks. dist., mkd. $\frac{1}{4}$ S36 BT.

A balsam, 7 ins. diam., bears N. $36\frac{1}{4}^{\circ} W.$, 29 lks. dist., mkd. $\frac{1}{4}$ S36 BT.

(Line discontinued at this point.)

Land, mountainous and broken.
 Soil, shallow and gravelly.
 Timber, balsam, juniper and pinon.
 Undergrowth, mostly sagebrush, greasewood and shadscale.