

T. 40 N., R. 24 E.

The solar attachment was not used. All lines were established by solar or Polaris observations or by angles, deflected from such previously established lines and carried forward by transit line taking the mean of direct and reversed sights at each instrument station. The azimuth of all lines was checked by frequent solar or Polaris observations throughout the progress of the survey and by deflection angles from such verified lines.

To prevent the unnecessary burdening of the record only a single typical observation is recorded herein.

July 3, 1946, at the original $\frac{1}{4}$ sec. cor. on the W. bdy. of sec. 26, T. 40 N., R. 24 E., M.D.M., in approximate latitude $41^{\circ} 21' N.$, and longitude $119^{\circ} 13' W.$, as determined from data furnished with the special instructions, I make an hour angle observation on Polaris, taking the mean of three direct and three reversed sights; the horizontal angles are measured from a flag point at the original corner of secs. 23 and 26.

Local mean time of observation 7h 43m pm.
Mean horizontal angle $0^{\circ} 46.7'$
Azimuth of Polaris $0^{\circ} 14.6' E.$
Reduced bearing of flag point N. $1^{\circ} 01.3' E.$

The geographic position of the SE. Tp. cor. is $41^{\circ} 20' N.$ latitude and $119^{\circ} 11' W.$ longitude.

Dependent Resurvey of the South Boundary, T. 40 N., R. 24 E., Mount Diablo Meridian.

Chains Reestablishment of the Survey Executed by G. W. Garside, Deputy Surveyor, in 1872.

Resurvey commenced at the corner of Tps. 39 and 40 N., Rs. 24 and 25 E., M.D.M. marked by the 1942 resurvey monument, an iron post, 3 ins. diam., set, mkd. and witnessed as described in the field notes of the Dependent Resurvey of the W. bdy. of T. 40 N., R. 25 E., M.D.M., executed under this same group.

Thence

N. $89^{\circ} 50' W.$, bet. Tps. 39 and 40 N., bet. secs. 1 and 36.

Over nearly level land draining NE.

13.50 Ascend 60 ft. over E. slope.

23.00 Crest of ascent; descend 60 ft. over W. slope.

35.10 Fence corner bears North, 0.14 chs. dist.; fences bear West and approximately N. $20^{\circ} E.$

37.50 Across nearly level land.

40.00 Fence, bears approximately S. $10^{\circ} W.$ and N. $10^{\circ} E.$, 0.17 chs. to fence corner whence fence bears E.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness $\frac{1}{4}$ sec. cor. of secs. 1 and 36, with brass cap mkd.