

Subdivisions of T. 18 S., R. 49 E.

chains

The survey was executed with a light-mountain solar transit made by Buff & Buff Manufacturing Company, Serial No. 10125, constructed in accordance with the standard specifications of the General Land Office. A similar instrument and the determination of the bearing of the state boundary are described in the field notes of the Portion of the California-Nevada State Boundary resurveyed under this group. The instrument was in good condition and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on December 4, 1933.

As the lines to be reestablished run over country which is barren of timber and high brush, the bearings of the lines were first determined by deflection from lines of known bearing, carried forward as transit lines by the use of backsights and foresights and checked by deflection from the line of the state boundary at the various points of intersection with said line.

The measurements were made with a Lufkin steel tape 5 chs. in length; the tape is graduated every link for the first 100 lks. and thereafter at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope the vertical angles were determined by a clinometer in good adjustment; the field notes show the horizontal equivalents.

Beginning at the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp.; described in the field notes of the W. Bdy. of T. 18 S., R. 50 E., resurveyed under this group,

West, bet. frac. secs. 12 and 13.

Over level land, thru very light undergrowth.

40.01 Midpoint in departure bet. the SE. cor. and the clos. cor. on W. bdy. of frac. sec. 12.

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

$\frac{1}{4}$ S12
S13

1934 dig a circular

trench 6 ft. diam. and pile the dirt around post to top.

54.60 A road, bears N. and S.

56.16 Intersect the California-Nevada State Boundary.

Set an iron post 3 ft. long 2 ins. diam., 27 ins. in the ground, for clos. cor. of frac. secs. 12 and 13, with brass cap mkd.

T18SR49E
S12
CAL S13CC

1934 dig a circular

trench 6 ft. diam. and pile the dirt around post to top.

From this point the $\frac{1}{4}$ mile cor. bet. monuments 101 and 102 on the state boundary bears S. $46^{\circ}34'E.$, 3.94 chs. dist.; described in the field notes of the Portion of the California-Nevada State Boundary resurveyed under this group.

Land, level. Soil, sandy and gravelly, 2d and 3d rate. Undergrowth, sage and creosote.