

Resurvey and Survey of the North Boundary of
Fractional T. 19 S., R. 50 E.

chains

The survey was executed with a light-mountain solar transit made by Buff & Buff Manufacturing Company, Serial No. 9797, constructed in accordance with the standard specifications of the General Land Office. A similar instrument, also 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 March 6, 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 the line of the state boundary or from other lines whose bearings were so determined and carried forward as transit lines by the use of foresights and backsights. All lines intersecting the state boundary were checked by deflection.

The measurements were made with a Lallie steel tape 8 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.

Dependent resurvey of the fractional N. bdy. of sec. 1, executed by E.A. Carter, Deputy Surveyor, in 1881; and extension survey to complete the N. bdy. and subdivisions of fractional T. 19 S., R. 50 E., MDM., Nev.

Beginning at the cor. of Ts. 18 and 19 S., Rs. 50 and 51 E.; described in the field notes of the Portion of the N. Bdy. of T. 19 S., R. 51 E., resurveyed under this group,

West, on a random line bet. secs. 1 and 36.

40.43 A point 63 lks. N. of the $\frac{1}{4}$ sec. cor.

51.89 A point 63 lks. N. of the clos. cor. of frac. Ts. 18 and 19 S., R. 50 E., on Von Schmidt Boundary.

Return to the cor. of Ts. 18 and 19 S., Rs. 50 and 51 E.

Thence, S. 89° 06' W., on true line bet. secs. 1 and 36.

Along a broken N. slope at foot of hills, thru very light undergrowth.

13.00 A wash, 2 chs. wide, course N.

20.20 Enter a wash, course NW.

33.50 Leave wash, course NW.

40.43 The $\frac{1}{4}$ sec. cor.; a limestone, 10x4x3 ins., firmly set in a mound of stone and marked $\frac{1}{4}$ on N. side.

In place of stone, which is set alongside,

Set an iron post 3 ft. long 1 in. diam., 24 ins. in the ground and in a mound of stone and earth to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S36
S1

1933

Thence, West on true line bet. secs. 1 and 36.