

## Township 3 South, Range 60 East

## Chains

The south boundary of T. 3 S., R. 60 E. was originally surveyed by E. B. Monroe, Deputy Surveyor in 1869, as the north boundary of T. 4 S., R. 60 E. The following field notes are those of a dependent resurvey of the eastern three miles of this boundary and an original survey of the eastern half of T. 3 S., R. 60 E.

All of the original corner positions along the eastern three miles of the boundary were identified and remonumented with iron posts, and a tie was made to the original corner of Ts. 3 and 4 S., Rs. 59 and 60 E., no original corners being found on the western three miles. This township corner was likewise remonumented.

The survey was executed with W. & L. E. Gurley solar transit No. 541331, property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The solar attachment was not used on this work and no description of it is being given here. The instrument was in good adjustment, and prior to the beginning of the field work it was tested and found free from error. It was maintained in good condition throughout the survey.

The bearings of the lines of the survey were determined by altitude observations on the sun. The lines were carried forward as transit lines and their accuracy checked by succeeding observations.

Measurements were made with Chicago steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a Lufkin standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these field notes.

The geographic position of the southeast corner of the township was determined from ties made to the U. S. Coast and Geodetic Survey triangulation station "White River" is as follows: Latitude  $37^{\circ} 38' 08''$  N. and longitude  $115^{\circ} 11' 23''$  W.

The magnetic declination was not determined.

## Dependent Resurvey of the North Boundary, T. 4 S., R. 60 E.

Note: The corners on this township boundary were originally established as corners common to Ts. 3 and 4 S., R. 60 E. Those corners are now remonumented to function for T. 4 S., R. 60 E. only, with the establishment of new corners for the south boundary of T. 3 S., R. 60 E. at regular intervals of departure west from the southeast corner of the township

Reestablishment of the survey executed by E. B. Monroe in 1870.

The original cor. of Ts. 3 and 4 S., Rs. 60 and 61 E., Mt. Diablo Meridian, Nevada, is mkd. by a limestone  $14 \times 6 \times 5$  ins., firmly set in the ground and in a mound of stone, mkd. with 6 grooves on each of the E., W., N. and S. faces.

At the same point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.