

## Township 19 North, Range 60 East

Chains

The boundaries of T. 19 N., R. 60 E. were originally surveyed by E. B. Monroe, Deputy Surveyor in 1869. The east boundary was independently resurveyed in 1917 under Group 53, Nevada, by Charles M. Pidgeon and H. G. Mason.

The following field notes are those of a dependent resurvey of the west boundary, independent resurvey of the south and north boundaries, and an original survey of the subdivision. The dependent resurvey is a complete restoration of the original survey according to the identified evidence of that survey. Before restoring or remonumenting a corner position, the lines of the original survey were retraced and search made for the original monuments and other calls of the field notes. After completing the necessary retracements, the rules of proportionate measurement were applied in order to ascertain the position of each lost corner, and when duly identified or restored, the corner positions were monumented with regulation iron posts.

The survey was executed with W. & L. E. Gurley solar transit, serial No. 541331, being the property of the Bureau of Land Management and constructed in accordance with their standard instrumental specifications. The bearings of the lines of the survey were determined by altitude observations on the sun and hour angle observations on Polaris, made on line during the progress of the survey. The lines were carried forward as transit lines and the azimuth checked by succeeding observations. The instrument was in good adjustment and prior to the beginning of the field work it was examined and found free from appreciable error. It was maintained in good adjustment throughout the progress of the survey.

The measurements were made with Chicago steel ribbon tapes, 8 chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of 10 links. The tapes were tested by comparison with a 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 notes.

The geographic position of the southeast corner of the township, computed from ties made to U. S. Coast and Geodetic survey station "Purple", located in sec. 5, T. 20 N., R. 59 E., is in latitude  $39^{\circ} 27' 52''$  N. and longitude  $115^{\circ} 09' 31''$  W.

Dependent Resurvey of the East Boundary, T. 19 N., R. 59 E.

Reestablishment of the survey executed by E. B. Monroe, Deputy Surveyor, in 1869.

The cor. originally established for Tps. 18 and 19 N., Rs. 59 and 60 E. and remonumented in 1953 is mkd. by an iron post, conforming to the record. As this point now functions for R. 59 E. only, I remark it as follows:

T19N  
R59E R60E  
S36 | S31  
S 1 |  
T18N  
1958

N.  $0^{\circ} 29'$  E., along the E. bdy. of sec. 36.

Over rolling land, through scattered timber and medium dense undergrowth; asc. along a general S. slope.