

T. 19 S., R. 60 E.

Chains

The west boundary of T. 19 S., R. 60 E. was surveyed by Deputy Surveyors Brunt and Proctor in 1881 and the north, south and east boundaries and subdivision by Deputy Surveyors Woods and Myrick in 1881. The west boundary, a portion of the north and south boundaries and the boundaries of the sections considered suitable, in whole or part, for small tracts, were dependently resurveyed by Paul K. Russell, Cartographic Survey Aid, in 1956.

The following notes are those of the survey of the subdivisional lines inside the sections dependently resurveyed in 1956; the topography being in substantial agreement with the resurvey notes is not shown herein.

The survey was executed with W. and L. E. Gurley transit No. 481347. It is equipped with full vertical circle and improved Smith-type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey.

The direction of all lines herein reported are determined by deflection from the section lines and checked by observations on Polaris and the sun, throughout the survey.

Measurements were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. The length of all line was determined by chaining where possible, otherwise by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from the field notes.

The geographic position of the southeast corner of section 32 is, latitude $36^{\circ} 14' 54''$ N., and longitude $115^{\circ} 16' 42''$ W., as determined by scaling from U. S. G. S. quadrangle sheet "Las Vegas"

The magnetic declination was read at a number of stations throughout the township and the average of the readings was found to be $15^{\circ} 45'$ E.

 Subdivision of Section 6, T. 19 S., R. 60 E.

From the $\frac{1}{4}$ sec. cor. of secs. 6 and 7, which is monumented with an iron post, $2\frac{1}{2}$ ins. diam., firmly set, marked and witnessed as described in the 1956 resurvey notes.

N. $1^{\circ} 09'$ E., on the north and south center line of sec. 6.

Over nearly level land.

20.34

Point for the center south $1/16$ sec. cor. of sec. 6.