

Township 15 South, Range 49 East

Chains

The south four miles of the east boundary were surveyed in 1942 by Wilson McConkie. The north boundary of T. 16 S., R. 49 E. (the south boundary of T. 15 S., R. 49 E.) was surveyed in 1921 by Emil Voigt and Walter H. Good, establishing corners at intervals of 40.00 chains in easting from the cor. of Ts. 15 and 16 S., Rs. 48 and 49 E. with the fractional measurement in the last half mile of line bet. secs. 1 and 36.

The following field notes are those of a dependent resurvey of the north boundary of T. 16 S., R. 49 E., with the establishment of new corners for T. 15 S., R. 49 E., at intervals of 40.00 chains westing from the cor. of Ts. 15 and 16 S., Rs. 49 and 50 E. and the alteration of the corners of the 1921 survey to refer to T. 16 S., R. 49 E. only, the survey of the west boundary and the independent resurvey of the north boundary of T. 15 S., R. 49 E.

The survey and resurvey were initiated on the official request of the State Supervisor for Nevada, Bureau of Land Management, to provide identification of the boundaries of the public lands to facilitate administration under appropriate public land laws.

Two independent sets of measurements were made on the exterior boundaries, and in order to simplify the record the true line notes only are supplied herewith which refer to the completed survey or resurvey.

The survey was executed with a W. and L. E. Gurley solar transit, serial No. 49657, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition and was placed in satisfactory adjustment prior to the beginning of the survey. The directions of the lines were determined by sustained angulation carried forward from numerous altitude observations on the sun taken at the beginning and throughout the course of the survey.

The measurements were made with a standard steel tape, 5 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 standard steel tape and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment. The horizontal equivalents only are entered in this field note record.

The geographic position of the SE. cor. of the township, as scaled from the Nevada State map furnished with the special instructions, is determined to be latitude $36^{\circ} 35' 36''$ N., and longitude $116^{\circ} 24' 20''$ W. The mean magnetic declination was determined to be 16° East.

Dependent Resurvey of the North Boundary of T. 16 S., R. 49 E.

Reestablishment of the survey executed by Emil Voigt and Walter H. Good in 1921.

Dependent Resurvey of the survey executed by Emil Voigt and Walter H. Good in 1921, remarking extant corners to function for T. 16 S., R. 49 E. only, and establishing new corners at 40 chain intervals from the east to function for T. 15 S., R. 49 E. only.