

Township 15 South, Range 50 East

Chains

The north boundary of T. 16 S., R. 50 E. (south boundary of T. 15 S., R. 50 E.) was surveyed in 1881 by E. A. Carter, Deputy Surveyor. The south four miles of the west boundary and section 18, T. 15 S., R. 50 E. were surveyed in 1942 by Wilson McConkie.

The following field notes are those of a dependent resurvey of the north boundary of T. 16 S., R. 50 E. with the establishment of new corners for the south boundary of T. 15 S., R. 50 E. at intervals of 40.00 and 80.00 chains in departure from the corner of Ts. 15 S., Rs. 50 and 51 E., reestablished at record distance from the corner of Ts. 15 and 16 S., Rs. 49 and 50 E., and the survey of the east and north boundaries and a portion of the west boundary of T. 15 S., R. 50 E.

The resurvey was 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.

Before restoring the corners, the lines of the original survey were retraced and diligent search made for any evidence of the original corners, mounds of earth, and other calls of the field note record. When duly identified, the corner positions were remonumented. The rules of proportionate measurement were applied in order to ascertain the position of the lost corners after completing the necessary retracements to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each particular corner. Two independent sets of measurement were made on the exterior boundaries and in order to simplify the record, the direct 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 resurvey. 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 resurvey.

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 determined from data furnished with the special instructions, is latitude $36^{\circ} 35' 32''$ N., longitude $116^{\circ} 17' 10''$ W. The mean magnetic declination was determined to be $15^{\circ} 45'$ E.

Dependent Resurvey of the North Boundary, T. 16 S., R. 50 E.

Reestablishment of the survey made by E. A. Carter in 1881.

An assiduous search failed to locate the original corner of Ts. 15 and 16 S., Rs. 50 and 51 E.