

CHAINS

Boundaries surveyed by William Epler in 1867.
 South boundary (a part) resurveyed by Haigh and Harris in 1914.
 West boundary resurveyed by Haigh and Harris in 1913.
 North boundary (a part) resurveyed by Haigh and Harris in 1914.
 Subdivisional lines (a part) surveyed by O. A. Palmer in 1868.
 Subdivisional lines (a part) surveyed by Haigh and Harris in 1914.

The following field notes are those of the dependent resurvey of a portion of the south boundary (Eighth Standard Parallel North) portions of the east and north boundaries and a portion of the subdivisional lines in T. 41 N., R. 39 E.

The resurvey was requested by the State Director to provide identification of the boundaries of public land to facilitate administration under the appropriate land laws.

The survey was executed with a W. and L. E. Gurley solar transit, Serial No. 580515, which conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition and was maintained in precise adjustment throughout the survey.

Before restoring the corners, the lines of the original surveys were retraced and diligent search made for any evidence of the original corners or other calls of the original field note record. The rules of proportionate measurements and local control were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with the identified corner locations. In order to simplify the record, the true line notes only are supplied herewith, which refer to the completed resurvey.

The measurements were made with a narrow steel tape, 5 chains in length, graduated to tenths of links for the first link, to links for the next 99 links, and thereafter, at intervals of 10 lks. The tape was tested in comparison with a one-chain standard steel tape and found correct. The measurements were made on the slope and the vertical angles were ascertained by clinometer and properly reduced to horizontal equivalents which are entered in the field note record.

The direction of the lines of this survey was determined by altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $41^{\circ} 22' 54.9''$ N. and longitude $117^{\circ} 31' 10.2''$ W. as adjusted along section lines from Nevada Highway Department station "Soft", which is the corner of Tps. 39 and 40 N., Rs. 38 and 39 E.

The magnetic declination was read at a number of stations throughout the township and the averages of these readings was found to be 18° East.

Dependent Resurvey of a Portion of the Eighth Standard Parallel North, through Range 39 East, Mt. Diablo Meridian, Nevada