

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTE PAPER

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CHAINS

TOWNSHIP 43 NORTH, RANGE 31 EAST

The exterior boundaries and subdivisional lines were surveyed by Skinner, Garside and Preble, in 1873.

The following Field Notes are those of the Dependent Resurvey of the exterior and subdivisional lines of T. 43 N., R. 31 E.

The resurvey was requested by the state Director to provide identification of the boundaries of public lands to facilitate administration under the appropriate land laws including the Desert Land Act.

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 and other calls of the original field note record. The rules of proportionate measurements 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 links. The tape was tested by 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 were 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° 33' 00.05" N. and longitude 118° 26' 45.45" W., as adjusted along section lines from U. S. Coast and Geodetic Station "Rattlesnake", in T. 43 N., R.32 E., and Geological Survey Station "BM Z-67; in T. 42 N., R.32 E.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 18° 30' East.

Dependent Resurvey of the East Boundary,
T. 43 N., R. 31 E., Mount Diablo Mer.,
Nevada