

TOWNSHIP 16 NORTH, RANGE 36 EAST

CHAINS

The following field notes are those of the independent resurvey of the Third Standard Parallel North, through Range 36 East, the survey of the west and east boundaries and the subdivisional lines of Township 16 North, Range 36 East.

The Third Standard Parallel North, through Range 36 East, was surveyed by T. K. Stewart, U. S. Deputy Surveyor, in 1884. The north boundary of T. 16 N., R. 36 E. was surveyed by H. W. Reppert, U. S. Transitman, in 1913 under Group No. 22.

The directions of the lines of this survey were determined by altitude observations of the sun and from triangulation stations. The lines were carried forward by sustained angulation being supplemented by other altitude observations of the sun taken throughout the progress of the survey. The vertical angles of measurements made on the slope were ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in the field notes.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947 and the Special Instructions dated April 13, 1966.

The geographic position for the southeast corner of the township is at latitude $39^{\circ} 11' 53.6''$ N. and longitude $117^{\circ} 52' 06.1''$ W., as determined with a direct tie from U.S.C. & G.S. triangulation station IRON ROCK to the southwest corner of the township and calculated along the south bdy.

The magnetic declination was found to be $17\frac{1}{2}^{\circ}$ E.

INDEPENDENT RESURVEY OF THE THIRD STANDARD PARALLEL NORTH
THROUGH RANGE 36 EAST

This independent resurvey supersedes the survey executed by T. K. Stewart, U. S. Deputy Surveyor, in 1884. A diligent search was made for the original corners and none were found.

The standard SE. corner of T. 16 N., R. 36 E., was independently reestablished at a point South of the corner of Tps. 16 and 17 N., Rs. 36 and 37 E. and East of the SE. corner of T. 16 N., R. 33 E. The latitude of the latter corner was determined to be $39^{\circ} 11' 53.605''$ N., under Group No. 389, Nevada. The latitude of the reestablished standard corner of sec. 36, T. 16 N., R. 36 E., was verified to be the same through ties to U.S.C. & G.S. triangulation station IRON ROCK.

Point for the standard SE. corner of T. 16 N., R. 36 E.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.