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T. 11 N., R. 46 E.

## Chains

transits, and it was ascertained that the resulting orientation of the instruments, when compared with the meridians established by observations of the sun and Polaris, had a maximum error of less than 1' 30".

The tests of the arcs were repeated by daily noon observations, and the meridional indications of each instrument was verified frequently throughout the survey. The instruments were at all times kept in satisfactory adjustments.

The direction of the lines were determined by solar transit method. The measurements were made with Lufkin steel tapes 5 chs. in length, graduated every link for the first hundred links and thereafter at intervals of ten links. These tapes were tested by comparison with Lufkin standard tapes 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 the field note record.

The magnetic declination was not recorded.

The geographic position for the SW. cor. of the tp. is as follows: latitude 38° 44' N., longitude 116° 49' W.

DEPENDENT RESURVEY OF A PORTION OF THE SECOND STANDARD  
PARALLEL NORTH, RANGE 46 EAST.

Dependent resurvey of a portion of the Second Standard Parallel North, Range 46 East, executed by D. H. Barker, Deputy Surveyor in 1874.

The resurvey is a complete restoration of the original line in the true original position as adjusted to the identified evidence.

Before reconstructing or restoring the corners, the line of the original survey was retraced, and search was made for evidence of the original corners and other records of the field notes. When duly identified or restored, the corner positions were remonumented.

The rules of proportionate measurement were applied in order to ascertain the position of each lost corner, 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.

In order to simplify the records, the true line notes only are supplied here, which refer to the completed resurvey.

Beginning at the standard cor. of secs. 33 and 34, T. 11 N., R. 46 E., which is a pine post, squared, 3x3" by 3 ft. long, standing above the ground, loosely set, with marks almost obliterated; with slight remains of pits.

N. 88° 36' W., on a true line along the S. bdy. of sec. 33.

Over rolling land, through dense undergrowth, asc. 25 ft.

8.80 Wash, shallow, drains N. 20° E.

11.49 Intersect the original closing cor. of secs. 3 and 4, T. 10 N., R. 46 E., which is a cedar post, weather beaten, 2½ ft. long, 3 ins. sq., standing firmly in the ground, mkd. and witnessed as described in the official record.

14.30 Dry shallow wash, course N. 60° E.; asc. 80 ft.

39.77 Intersect the original standard ¼ sec. cor., which is a decayed cedar post, 3 ft. long, 2 ins. sq., loosely standing above the