

Exterior Lines, Township 7 North, Range 60 East

Chains

The south, west, and north boundaries of the township were surveyed by E. B. Monroe and A. G. Bateman, Deputy Surveyors, in 1871. The east boundary of the township was surveyed by E. B. Monroe, Deputy Surveyor, in 1871.

The following field notes are those of a retracement and partial dependent resurvey of the south boundary, dependent resurvey of the west and north boundaries, and retracement of the east boundary.

The survey was executed with Buff solar transit No. 23829, equipped with full vertical circle and Smith type telescopic solar attachment, and conforms to the standard instrumental specifications of the Bureau of Land Management.

The directions of the lines of survey were determined by sustained angulation carried forward from an initial hour angle observation on Polaris and supplemented by frequent directional determinations by means of the solar attachment. The transit and its solar attachment were maintained in good adjustment throughout the course of the work.

Measurements were made with narrow steel tapes, 5 and 8 chains long, that were compared with a Lufkin standard tape, 1 chain long, and found correct. All measurements were made on the slope and reduced to their true horizontal equivalents, which alone appear in this field note record.

The geographic position of the southeast corner of the township, determined from the official Bureau of Land Management map of Nevada is latitude $38^{\circ} 25' 15''$ N. and longitude $115^{\circ} 10' 30''$ W.

August 2, 1953, at the corner of Ts. 6 and 7 N., Rs. 60 and 61 E., at 7:58 p.m., 105th Mer. Std. time, a series of six hour angle observations of Polaris were made, three each with the telescope in direct and reversed positions, reading the horizontal angle from the line of sight to a flag, about 10 chains dist., on a reference point, to the left of Polaris

Horizontal angle	$7^{\circ} 40'$
Azimuth of Polaris	N. $0^{\circ} 40'$ E.
True bearing to reference point	N. $8^{\circ} 20'$ E.

Every hour from 7:00 to 10:30 a.m. and from 1:30 to 5:00 p.m., with proper settings on the arcs of the solar attachment, the bearing to the reference point was determined and was found in each instance to differ from the bearing determined by Polaris observation by less than $1' 30''$.

South Boundary of T. 7 N., R. 60 E.

Retracement and Partial Reestablishment of the Survey Executed by Monroe and Bateman, Deputy Surveyors, in 1871.

The cor. of Ts. 6 and 7 N., Rs. 60 and 61 E., is marked by the original corner monument, a pine post, 3x3 ins. x 2 ft., mkd. TVIIN RLXIE SXXI, TVIN RLXE SL, TVIIN RLXE SXXXVI on three faces, illegible marks on fourth face, lying on the ground near the lower portion of the post which is firmly set in the ground.

At the corner point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.