

Township 14 North, Range 71 East

Chains

The west boundary was surveyed in 1878 by Deputy Surveyor W. N. McGill, under Contract No. 83, approved February 17, 1879. The survey of the east boundary of Nevada by Deputy Surveyor I. E. James in 1870, approved February 6, 1871. The survey of the south boundary in 1928 by Andrew Nelson, Cadastral Surveyor, approved October 11, 1930. The survey of the north boundary in 1942 by Philip L. Inch, Cadastral Surveyor, approved October 4, 1957.

The following field notes are those of the dependent resurvey of the west boundary and the survey of the subdivision lines.

The survey was executed with a W. and L. E. Gurley solar transit, serial number 371609, which conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was in precise adjustment throughout the progress of the survey.

Measurements were made with a narrow steel tape, 8 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 tapes were tested by comparison with a standard steel tape 1 chain in length, and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by two clinometers in good adjustment. The slope distances were properly reduced to horizontal equivalents which are entered in the field note record.

The geographic position of the southwest corner of this township is in latitude $39^{\circ} 03' 12''$ N., and longitude $114^{\circ} 03'$ W., as determined from data furnished with the special instructions.

The directions of all lines of this survey were determined by sustained angulation carried forward from the meridian determined by the following direct solar observation; on October 25, 1959, at the $\frac{1}{2}$ sec. cor. of secs. 25 and 30 (west boundary) of this township, I made a series of 8 altitude observations upon the sun for azimuth, 4 each with the telescope in direct and reversed positions, and observed angle from a flag on the random line for the west boundary, approximately $1\frac{1}{2}$ miles north.

Time of observation (105th meridian standard time)	$10^{\text{h}} 35^{\text{m}}$
Mean observed vertical angle	$31^{\circ} 49'$
Horizontal angle to sun	$35^{\circ} 13' \text{ L.}$
Declination of sun	$12^{\circ} 00' 12'' \text{ S.}$
True bearing of random line	$\text{N. } 0^{\circ} 10' \text{ E.}$

No magnetic declination was taken.

Retracement of the Utah-Nevada State Boundary
Between Mile Posts Nos. 155 to 158, Nevada

Retracement of the survey executed by I. E. James, deputy surveyor in 1870.

The Mile Post 155, which is monumented by a wooden post, 14 ins. long, 4 ins. diam., mkd. IVV, above ground, decayed base, and set in a mound of earth.

At the cor. point

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and with brass cap mkd.