

Township 17 North, Range 19 East

Chains

meridian, two each with the telescope in direct and reversed positions, reading the horizontal angle from the center line of a small conical Forest Service observation tower situated on the crest of McClellan Peak of the Washoe Mountains approximately $8\frac{1}{2}$ miles distant, in the direction E-N to Polaris:

Mean horizontal angle, Polaris to tower	108° 55' 00"
Azimuth of Polaris	0° 41' 00" E.
True bearing to Observation Tower	S. 70° 25' E.

August 28, 1935, at an instrument station near the west end of a bare granite knoll situated in the SW $\frac{3}{4}$ of the SW $\frac{3}{4}$ of section 25, T. 17 N., R. 18 E., in latitude 39° 18' 30" N., longitude 119° 54' W., at 6h 43.3m p.m., by my watch which carries correct local mean time, I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal angle from a signal at the "Mount Rose" triangulation station, U.S.C.&G.S., about 2 $\frac{3}{4}$ miles distant, to Polaris in the direction W-N-E.

Mean horizontal angle, Polaris to signal	16° 36' 30"
Azimuth of Polaris	1° 03' 30" E.
True bearing to Mount Rose signal	N. 15° 33' W.

Azimuth for lines surveyed during 1937, 1943, 1944 and 1945 was derived from transit angles carried from the instrument station on the Reno-Carson highway previously described, and the final true course bearings were verified by reference to a meridian established by observation on Polaris at the corner of sections 25, 30, 31 and 36 on the east boundary. The detail record of this observation is omitted.

Lallie 5 and 8 chain narrow steel ribbon tapes were used on this survey; the first 100 links of each chain being graduated to units of one link and the balance at 10 link intervals. The tapes were tested by comparison with a Lufkin standard tape 1 chain in length and found to be correct. Measurements were made on the slope, the true vertical angle of each interval taken as the mean of readings by two of the large improved-type Lietz and K. & E. clinometers in good adjustment. The slope distances were reduced to true horizontal equivalents which alone appear in this record.

Certain distances were obtained by triangulation as specifically shown in the following field notes.

Dependent Resurvey, South Boundary, T. 17 N., R. 19 E.

Reestablishment of the Survey Executed by
J. S. Lawson, Deputy Surveyor, in 1861 under Contract No. "B".

The cor. of Ts. 16 and 17 N., Rs. 18 and 19 E. is marked by a fragment of a surfaced pine post, about 3 ins. square and 10 ins. long, placed in the center of an old embedded mound of stone and witnessed by two original bearing trees.

At the corner point

Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, with brass cap mkd.

T17N
R18E R19E
S36 | S31
S1 | S6
T16N
1935