

T. 33 S., R. 66 E.

Chains

Survey commenced January 10, 1932, and executed with W. & L. E. Gurley solar transit No. 262669, property of the General Land Office. The horizontal and vertical circles and the latitude and declination arcs all reading to single minutes. The transit is equipped with the improved Smith solar attachment. The instrument was in good condition and, having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer for Nevada, conditional upon satisfactory field tests as stated in assignment instructions dated December 31, 1931.

The directions of all the lines were determined by Polaris observations and by deflections from meridians established throughout the progress of the survey.

The measurements were made with Lallie steel ribbon tapes 5 and 8 chains in length; the tapes were graduated every link for the first 10 links and thereafter at intervals of 10 links. The tapes were tested by comparison with a Lufkin standard steel tape 1 chain in length, and found correct. Measurements were made on the slope; vertical angles were determined by clinometers in good adjustment; the field notes show the horizontal equivalents.

January 18, 1932, at the closing cor. of Tps. 33 S., Rs. 65 and 66 E., M. D. B. & M., on the 8th stan. par. S., at 12h 31.8m p.m., l.m.t., or 12h 11.5m p.m. by my watch, which I find by comparison with a Western Union telegraph clock at Needles, Calif., to be 1m fast of 120th meridian standard time, I make an hour angle observation on Polaris, east of the meridian, one each with the telescope in the direct and reversed positions, reading the horizontal deflection angle from a flag on retracement line of E. bdy. of T. 33 S., R. 65 E., west of Polaris.

Mean horizontal angle from Polaris to flag... 1° 15' 15"
Azimuth of Polaris..... 1° 16' 18" E.
True bearing of flag..... N. 0° 01' 03" E.

This point has a latitude of 35° 07' N., and longitude of 114° 41' W., as determined by calculation from values furnished by the U. S. Coast and Geodetic Survey along the California-Nevada state boundary.

DEPENDENT RESURVEY OF PORTION OF 8th STAN. PAR. S.,
N. BDY. FRAC. T. 33 S., R. 66 E.

REESTABLISHMENT OF SURVEYS EXECUTED BY T. A. MAGEE, U. S.
DEPUTY SURVEYOR IN 1882.

The stan. 1/4 sec. cor. of sec. 36, T. 32 S., R. 65 E. is a blue limestone, 8x6x4 ins., marked 1/4 on one face, and lying on top of old mound of earth; in center of mound, set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, with a limestone, mkd. X, deposited at the base, and in a mound of stone, for the stan. 1/4 sec. cor., with brass cap mkd.

SC
1/4 S36

1932

No suitable accessory.

S. 89° 57' E., along S. bdy. sec. 36.

Over rolling broken hills through medium creosote and chaparral, scattering cholla cactus.