of the township. The directions of the lines were also checked by additional Polaris observations at several points, and by deflection at intersecting points.

Measurements were made with Lallie and Lufkin steel tapes, each five chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard tape 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 this field note record.

The data furnished with the special instructions, give the geographic position of the southeast corner of T. 21 S., R.61 E., as latitude 36° 04' N. and longitude 115° 06' W. Near northwest cor. of the township there is established a U.S.C. and G.S. triangulation station called "PIT" which has a published latitude, 36° 09' 32.341" N., and longitude 115° 12' 24.693" W.

May 10,1952, at the cor. of secs. 4, 5, 32, and 33 on the S. bdy. of T.21 S.,R.61 E.,MDM, Nevada, in latitude 36° 04' N., longitude 115° 10' W., we make an hour angle observation on Polaris East of the meridian at 10h 44.2m p.m., l.m.t., having obtained the correct standard time by comparing watch with a Western Union Telegraph Co.,clock in Las Vegas. Four sights were taken, two each with the telescope in direct and reversed positions, measuring the horizontal angles westerly from an airplane beacon light on Sun Mountain about 9 miles distant.

Mean watch time of observation	--	10h 35m p.m.
Watch slow of local mean time	--	0 19.3
Local mean time	--	10 44.2
Mean horizontal angle; Beacon to Polaris -	--	53° 01.3'
Azimuth of Polaris	--	0° 03.5'
Bearing of reference beacon	--	N. 53° 04.8' E.

The solar attachments of the instruments were not used to determine the directions of the lines in this township, therefore no orientation tests were made on the meridian.

The mean observed magnetic declination is 15° 45' E.

Chains

Resurvey of a Portion of the East Boundary of T.21S., R.61E., M.D.M., Nevada.

Resurvey for the establishment of 1/16th sec. corners on lines of the Resurvey executed by Emil Voigt, Associate Cadastral Engineer and J. W. Hardison, Assistant Cadastral Engineer in 1943.

From the $\frac{1}{4}$ sec. cor. of secs. 19 and 24 on the E. bdy. of the Tp., marked by an iron post, 1 in. diam., firmly set, with brass cap, mkd. and witnessed as described in the official 1943 resurvey record of W. bdy. of T.21S.,R.62E.

N. 1° 20' W., bet. secs. 19 and 24. (North half mile.)

Over gently rolling desert land sloping NE.