

T. 34 N., R. 62 E.

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Survey commenced August 19, 1942, and executed with Gurley solar transit No. 38123 and Buff and Buff solar transits Nos. 17994 and 9922, property of the General Land Office. The instruments are equipped with the Smith solar attachment and full vertical circle; the horizontal limbs are provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the vertical circles, and of the latitude and declination arcs. The instruments were approved for use on the survey by the district cadastral engineer, conditional upon satisfactory field tests. The instruments were in good condition at the commencement of the survey, and were tested and found free from any appreciable error.

Preliminary to the resurvey, the lines of the original survey were retraced and diligent search was made for all original corners. Identified corners of the original survey were restored in their original positions. All lost corners were reestablished at proportionate positions, based on the record of the original survey. The retracement data was thoroughly verified and only the true line notes are given herein.

All azimuths in the record are referred to true meridians determined by direct observations upon the sun, or by observations upon polaris. Numerous observations were taken on line during the progress of the survey; the bearings of the lines were determined by deflection angles, and lines carried forward by fore and back sights.

Measurements were made with Lallie steel tapes, 5 chs. 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 Lufkin standard steel tape 1 chain long and found correct. Measurements were made on the slope and the vertical angle of each interval was ascertained by clinometers in good adjustment; the horizontal equivalents are entered in the field note record.

The approximate geographic position of the SW. corner of the township is latitude  $40^{\circ} 47' N.$  and longitude  $115^{\circ} 03' W.$

September 3, 1942, at a point approximately 1.00 ch. S. of the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of T. 34 N., R. 61 E., in approximate latitude  $40^{\circ} 52' N.$  and longitude  $115^{\circ} 03' W.$ , at 7h 15m 35s Pacific War Time, I make an hour angle observation of Polaris, making six observations, three each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a flag at a point 1.21 chs. N. of the cor. of Tps. 34 and 35 N., Rs. 62 and 63 E.

Watch time of observation	7h 15m 35s
Mean horizontal deflection angle	$88^{\circ} 37.3'$
Azimuth of Polaris	$1^{\circ} 5.5' E.$
True bearing of flag	$N. 89^{\circ} 42.8' E.$

Dependent Resurvey of the North Boundary of  
T. 34 N., R. 62 E.

Reestablishment of surveys executed by  
Hatch and Eaton, Deputy surveyors in  
1870