T. 45 N., R. 67 E.

Chains

Survey commenced September 4, 1941 and executed with Buff and Buff solar transit No. 9983, property of the General Land Office and approved by the District Cadastral Engineer in the assignment instructions dated May 9, 1940 and August 18, 1941.

For complete description and test of instruments and method of measurement see the field notes of the resurvey of T. 45 N., R. 64 E., executed under this group.

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

The approximate geographic position of the SE. corner of the township is latitude 41° 44' N. and longitude 114° 19' W.

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.

September 3, 1941, at the standard corner of T. 46 N., Rs. 67 and 68 E., in approximate latitude 41° 49' N., and longitude 114° 19' W., at 8h 58m p.m. l.m.t., I observe Polaris at eastern elongation, making 4 observations, 2 each with the telescope in direct and reversed positions, reading the horizontal deflection angle from Polaris to a light on a reference point approximately 40 chs. to the west.

Azimuth of Polaris at e.e.	1° 22.0'
Mean deflection angle	91° 38'
Bearing of reference point	S. 89° 44' W.

July 27, 1942, at the corner of secs. 10, 11, 14 and 15, in approximate latitude 41° 47.5' N., and longitude 114° 21' W., at 9:00 am. Pacific War Time, I make an altitude observation of the sun, making 4 observations, 2 each with the telescope in direct and reversed positions, and reading the horizontal deflection angle to a flag point approximately 30 chs. to the east.

Mean observed vertical angle	37° 52.5'
Azimuth of the sun	82° 17.5'
Mean deflection angle	8° 29.5'
Bearing of reference point	N. 89° 12' E.

Dependent Resurvey of the Ninth Standard Parallel North, along the South Boundary of T. 46 N., R. 67 E.

Reestablishment of surveys executed by Monroe and McClellan, Deputy Surveyors, in 1881.