

TOWNSHIP 46 N., Range 32 E.

By the method of repetition of angles, a flag was established North of the station of observation, and this line was extended south 40.00 chs. then south on a blank line to an intersection with the blank line extended east from the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp. where the standard SE. cor. of the Tp. was established. The direction of the surveyed lines was determined by the method of deflection lines from these two observed lines and the bearings were checked by supplemental observations on Polaris at intervals throughout the progress of the survey.

July 24, 1938, prior to the resumption of the survey in 1938, at the $\frac{1}{4}$ sec. cor. of secs. 10 & 11, in latitude $41^{\circ}52.9'$ N., and longitude $118^{\circ}20.6'$ W., Polaris was observed at eastern elongation, making 6 settings, 3 each with the telescope in direct and reversed position, measuring the horizontal angle from a signal light at the cor. of secs. 2, 3, 10 & 11.

L.M.T. of observation	11h 36.7m
L.M.T. of e.e. of Polaris	11h 37.9m
Azimuth of Polaris at e.e.	$1^{\circ}23.2'$
Mean horizontal angle	$1^{\circ}25.0'$
True bearing of line bet. corners	N $0^{\circ}01.8'$ W.

The direction of the lines of survey in the 1938 season was determined by the method of repetition of angles, and, checked by frequent supplemental observations of Polaris.

SURVEY OF THE 9TH STANDARD PARALLEL NORTH
THROUGH RANGE 32 EAST.

I commence the survey of the 9th Standard Parallel North at a point east of the original standard cor. of secs. 33 and 34, and south of the reestablished $\frac{1}{4}$ sec. cor. bet. sections 7 and 12, T. 46 N., Rs. 32 and 33 E.

Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the ground, and between boulders, to underlying rock, with a cross (X) marked on boulder beside the base of iron post, and in mound of stone to top, for Standard SE. cor. of T. 46 N., R. 32 E., only, with brass cap mkd.

SC
T46N
R32E
S36

1938

West, with the establishment of the 9th standard parallel north, along the S. bdy. of sec. 36, T. 46 N., R. 32 E., on a transit line describing the secant, which starts from a point 4 lks. S. of the Tp. cor., and bears N. $89^{\circ}57.7'$ W.

Asc. 50 ft. over easterly slope.

1.40 Rocky spur, projects S. 20° E., from an abrupt slope from the north; desc. 450 ft. over southwesterly slope.

21.40 Draw, drains S. 30° E.; asc. 100 ft. over northeasterly slope.