reading the horizontal deflection angle from a flag about 120.00 chs. south of my station, in the direction, S.-E. to the sun:

Watch time of observation, mean of three observations--

8h.37m.30s.a.m.

Apparent time of observation----------9h.0m.0s.a.m. ✓

Mean declination of sun for period of

observation----------7° 40'0"N.

	Vertical angle	Horizontal angle
Mean of 1st observation	35°07'	67°49'45"
" " 2nd "	35°40'	67°10'15"
" " 3rd "	36°04'	66°41'15"

True bearing of flag by 1st observation-S.0°04'04"E. ✓
" " " " " 2nd " ---S.0°03'57"E. ✓
" " " " " 3rd " ---S.0°03'45"E. ✓

Mean true bearing of flag------S.0°03'55" E. ✓

The azimuths of all lines in this township were determined by observations on Polaris and by direct altitude observations on the sun. Observations were taken at frequent intervals during the progress of the survey.

Measurements on the surveys in this township were made with a Lallie 5.00 ch. steel tape, which was compared with a standard 1.00 ch. tape. Slope angles were determined by means of the transit and by the use of clinometers, the adjustments of which, were made by comparing their readings with those of the transit.

Survey of a portion of the S. Bdy. of T. 24 N., R. 49 E.

Alongside the old cor. of secs. 2,3,34 and 35, which is a red granite stone, 12 x 12 x 10 ins., firmly set in a mound of stone, marked with 2 grooves on E. face and 4 grooves on W. face, from which, two bearing trees, both in the SW. quadrant bear

A pinon pine, 12 ins. in diam., bears S. 32-3/4° W., 51 lks. distant marked T23N R49E S3 BT

A pinon pine, 11 ins. in diam., bears S.82°30' W., 113 lks. distant, marked T24N R49E S34 BT Markings changed to refer to SW. quadrant.

set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.