

Chains

At 9 h. 58 m. 36 s., A. M., apparent time.

Altitude = $45^{\circ} 51' 30''$

Horizontal angle (from reference to right to sun) =

 $193^{\circ} 43'$ Observation 2

September 9, 1917.

At 10 h. 02 m. 36 s., A. M., apparent time.

Altitude = $46^{\circ} 22' 30''$

Horizontal angle (from reference to right to sun) =

 $194^{\circ} 54' 30''$

From these observations I calculate the bearing of a reference stake, firmly set, centered with a tack, 5.00 chs. dist. from my station, as (1) N. $58^{\circ} 49' 09''$ W., and (2) N. $58^{\circ} 49' 48''$ W.

The mean of these observations is N. $58^{\circ} 49' 28''$ W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = $18^{\circ} 28'$ E.RETRACEMENT

Beginning at the cor. of Secs: 15, 16, 21 and 22, T.

31 N., R. 59 E., (partly surveyed, accepted), which is a mound of rock, but no stake in it. Mr. Thomas Short, an old resident of the country since 1867, built this mound of rock around a cottonwood stake, at the time the original survey was made. The ori-

ginal stake was mkd. as the cor. of Secs. 15, 16,

21 and 22, T. 31 N., R. 59 E., (partly surveyed,

accepted). I therefore accept this as the original

corner. I set a granite stone, 32 x 10 x 8 ins.,

22 ins. in the ground, over broken glass, for the