

Chains

Observation 1

September 10, 1917.

At 3 h. 22 m. 56 s., P. M., apparent time.

Altitude = $32^{\circ} 16'$

Horizontal angle (from reference to right to sun) =

 $304^{\circ} 48' 30''$ Observation 2

September 10, 1917.

At 3 h. 26 m. 56 s., P. M., apparent time.

Altitude = $31^{\circ} 49' 30''$

Horizontal angle (from reference to right to sun) =

 $305^{\circ} 20' 30''$

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. $58^{\circ} 51' 48''$ W., and (2) N. $58^{\circ} 51' 08''$ W.

The mean of these is N. $58^{\circ} 51' 28''$ 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 mtd. as the cor. of Secs. 15, 16,

21 and 22, T. 31 N., R. 59 E. I therefore accept