

Chains

Altitude =  $60^{\circ} 37' 30''$ 

Horizontal angle (from reference to right to sun) =

 $104^{\circ} 17'$ Observation 2

June 26, 1917.

At 10 h. 03 m. 59 s., A. M., apparent time.

Altitude =  $61^{\circ} 30' 30''$ 

Horizontal angle (from reference to right to sun) =

 $105^{\circ} 40'$ 

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.  $7^{\circ} 10' 47''$  E., and (2) N.  $7^{\circ} 11' 47''$  E.

The mean of these observations is N.  $7^{\circ} 11' 17''$  E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination =  $17^{\circ} 00'$  E.RETRACEMENT

Beginning at Cor. No. 4 of H. E. Survey No. 116, (unapproved), which will be identical with Cor. No. 10 of this survey, which is a malpais outcrop, showing 6 x 4 x 2 ft. above ground, mkd. 4-HES-116 on the NE. face, and a cross (x) on top, and properly witnessed by bearing rocks and a mound of stone, I run

Thence

N.  $7^{\circ} 09'$  E.

On a random line bet. Cor. 4-3 of H. E. Survey No. 116, (unapproved).