

Chains

Latitude = $38^{\circ} 20' 55''$ N. (From observation)Longitude = $116^{\circ} 43'$ W. (From Forest Diagram)Observation 1

At 2 h. 32 m., P. M., 120th Standard time.

Observed vertical angle = $50^{\circ} 31'$ Horizontal angle (reference to right to sun) = $287^{\circ} 42'$ Observation 2.

At 2 h. 38 m., P. M., 120th Standard time.

Observed vertical angle = $49^{\circ} 37' 30''$ Horizontal angle (reference to right to sun) = $288^{\circ} 38'$

From these observations I calculate the bearing of line

Cor. No. 8 to Cor. No. 7 as (1) N. $29^{\circ} 32' 17''$ W.and (2) N. $29^{\circ} 32' 21''$ W.The mean of these two observations is N. $29^{\circ} 32' 19''$ W.,

and to the corresponding meridian all courses of

this survey are referred.

Mean Magnetic Declination = $17^{\circ} 45'$ E.RETRACEMENT

Beginning at the corner of Secs. 21, 22, 27 and 28, T.

5 N., R. 47 E. (survey accepted), which is a basalt

stone, insecurely set, mkd. with 2 notches on the

south and 3 notches on the east.

Thence

North

On a random line between Secs. 21 and 22.

40.00 After diligent search, I am unable to find any trace of

the $\frac{1}{4}$ cor. between Secs. 21 and 22, T. 5 N., R. 47

E. (survey accepted).