

Chains

October 17, 1913.

I begin the investigation of the surveys of T.32 N., R.33 E. at the  $\frac{1}{4}$  cor. bet. secs. 24 and 25, which is a granite rock 6x6x18 ins., marked  $\frac{1}{4}$  on N. face and set in a mound of stone. This cor. was re-established by F. H. Criss, U.S. Deputy Surveyor, in 1901, at a point 40 chs. E. of the cor. of secs. 23, 24, 25 and 26, where he reports in his field notes that he was unable to find the original  $\frac{1}{4}$  sec. cor. established by Deputy Surveyor E. H. Dyer, in 1863.

The surveys are executed with a Young & Sons transit, No.8572, with a Smith solar attachment and the measurements are made with a Lufkin Steel tape, 5 chs. in length, graduated to chains and links.

At 9 h 0 m A.M., l.m.t., at the above described cor., I set off 9°11'S. on the decl. arc, and 40°37'N. on the lat. arc and determine a meridian with the solar; thence I retrace

West bet. secs. 24 and 25.

40.15 Intersect the N. and S. line 3 lks. N. of the old cor. of secs. 23, 24, 25 and 26, which is a quartz rock 12x8x4 ins., marked with 2 grooves on S. and 1 groove on E. face and set in a mound of stone. Course of this half mile is S.89°57'W.

Beginning at the above ~~X~~ sec. cor., I continue West on same line, bet. secs. 23 and 26, and at 40.16 Intersect N. and S. line 1 lk. S. of the old  $\frac{1}{4}$  sec. cor. which is a quartz rock, 4x4x8 ins., marked  $\frac{1}{4}$  on N. face, and set in a mound of stone.

Course of this half mile is N.89°59'W.

80.33 Intersect N. and S. line 7 lks. N. of the old cor. of secs. 22, 23, 26 and 27, which is a granite rock 10x12x6 ins., marked with 2 grooves on S. and 2 grooves on E. face. Course of last half mile is S.89°53'W.

Beginning at the cor. of secs. 22, 23, 26 and 27, I run South on retracement bet. secs. 26 and 27, and at 40.02 Intersect E. and W. line 17 lks. W. of the old  $\frac{1}{4}$  sec. cor., which is a trap rock 4x6x8 ins., marked  $\frac{1}{4}$  on W. face and set in a mound of stone.

80.08 Intersect the E. and W. line 29 lks. W. of the cor. of secs. 26, 27, 34 and 35, which is a quartz rock 10x4x16 ins., marked with 1 groove on S. and 2 grooves on E. face and set in mound of stone.

Course of first half mile is S.0°15'E.

Course of last half mile is S.0°10'E.

The cor. of secs. 26, 27, 34 and 35 was re-established by Deputy Surveyor Criss, in 1901, at a point which he describes in his notes as being marked by part of an old willow stake.

I destroy all trace of the stone cor. and at same point set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for new cor. of secs. 26, 27, 34 and 35, with a brass cap mkd:

T32N R33E  
S27 | S26  
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S34 | S35  
1913

and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.

Beginning at the cor. of secs. 26, 27, 34 and 35, I run South on retracement bet. secs. 34 and 35. Over slightly rolling ground covered with scattering loose boulders.