

Chains

- 2.30 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in a mound of stone for the $\frac{1}{4}$ sec. cor., for sec. 20 only, with brass cap mkd:

| $\frac{1}{4}$ S20 ✓
1914

and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Note: On account of natural obstacles, I am unable to set the post in the ground.

- 2.165 From the $\frac{1}{4}$ sec. cor. of sec. 25, heretofore described Thence S.0°05'W.
Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground for the $\frac{1}{4}$ sec. cor. for sec. 29 only, with brass cap mkd:

| $\frac{1}{4}$ S29 ✓
1914

and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

- .795 From the $\frac{1}{4}$ sec. cor. of sec. 36, heretofore described, Thence S.0°16'W.
Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground for the $\frac{1}{4}$ sec. cor. for sec. 32 only, with brass cap mkd:

| $\frac{1}{4}$ S32 ✓
1914

and dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Ruban W. Riley,

U. S. Transitman.

September 29, 1914.

SURVEY OF THE S. BDY. T. 35 N., R. 50 E.

Survey commenced September 14, 1914, and executed with a Buff and Buff transit No. 8028, with a Smith solar attachment. For description and approval of instrument see Book "A" of this survey.

I examine the adjustments of the transit and find no errors; then, I test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observation on Polaris, at my camp in Sec. 19, in T. 35 N., R. 51 E., heretofore recorded.

Steel tapes 5 chs. long were used by both parties in all field work, together with clinometers for determining slope angles, and the reduced horizontal distances only appear in the field notes. The tapes were tested during the progress of the survey, comparisons being