

E. bdy. of T 35 N, R 47 E.

Chains

23² 10' N. on the decl. arc and mark a point in the line determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.45 ins. E. of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 0'42" west and

0'24" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 9 h., a.m., is N 18°50'W, the angle thus determined gives the magnetic declination 18°50'E.

From the cor. of Tps. 34 and 35 N, Rgs. 47 and 48 E, already described

I run

N. bet. secs. 31 and 36

Ascending over slide and rim rock, out of Rock Creek canon.

Asc. 640 ft. to

27.60 Top of Rock creek canon, bears E. and W., thence over rocky rolling mountains. Asc. 50 ft. to

40.00 Set an iron post, 3 ft. long lin. diam. 24 ins. in the ground for $\frac{1}{2}$ sec. cor. with brass cap mkd.

S 36 $\frac{1}{4}$ | S 31
1914

dig pits 18-18-12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor. Asc. 25 ft. to

44.50 Ridge, bears N.W. and S.E. Desc. 60 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36; with brass cap mkd.

T 35 N
R 47 E | R 48 E
S 25 | S 30
—+—
S 36 | S 31
1914

dig pits 18-18-12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.