

Subdivision of T 34 N, R 46 E.

Chains meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.6 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 0'40" west and 0'30" 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 8h.20m., a.m. is N18°50'W, the angle thus determined gives the mag. decl. 18°50'E.

At 9h., a.m., l.m.t., at the cor. of secs. 35 and 36, established by me May 7, 1914, on the S. bdy. of the tp., I set off 40°45'N on the lat arc, 21°15'N on the decl. arc and determine a meridian with the solar.

Thence I run N 0°9'E, bet. secs. 35 and 36.

Desc. over rolling mountain mesa. Desc. 60 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam. 24 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 35 $\frac{1}{4}$ | S 36

1914

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

Desc 130 ft. to

79.50 Ravine, course N.E. Asc. 10 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam. 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36 with brass cap mkd.

T 34 N
R 46 E
S 26 | S 25

S 35 | S 36

1914

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

Land; rolling mountain mesa, sloping to the N.

Soil; fair quality but underlaid at a depth of a few feet with a volcanic bed rock, contains many rocks, loose and in place. 3rd. rate. Good growth sage brush, not much grass.