

12.

Subdivision of T.39 N., R. 20 E.

Chs

a meridian, which, I note, differs less than 30" from that established by the Polaris observation. I conclude, therefore, that the adjustments of the instrument are satisfactory.

July 19, 1914.

July 27: At 8 h 40 m A.M., l.m.t., I set off $41^{\circ}12.5'$ on the lat. arc, and $19^{\circ}19.5'N.$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the south bdy. of the township, which is a volcanic stone $10 \times 8 \times 3$ ins., above a mound of stone 44 ins. base, 17 ins. high, and marked with 1 groove on the E. and 5 grooves on W. faces. Magnetic declination $19^{\circ}27'E.$

Thence I run

N. $0^{\circ}1'W.$ between secs. 35 and 36.

Over mountainous land.

Ascend 35 ft. on SW. slope to top of spur.

7.00 Spur, projects N. $75^{\circ}W.$; descend 170 ft. on north slope to wash.

35.00 Wash, 10 lks. wide, 5 ins. deep, course NW.; ascend 10 ft. on south slope to top of ridge.

40.00 Ridge, bears N. $15^{\circ}W.$ and S. $15^{\circ}E.$; desc. 115 ft. on north slope to ravine.Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S35 $\frac{1}{4}$	S36
1914	

and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.54.20 Ravine, course N. $25^{\circ}W.$; ascend 80 ft. on SW. slope to top of ridge.65.00 Ridge, bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$; descend 35 ft. on NW. slope to cor.

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

T39N	R20E
S26	S25
S35	S36
1914	

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

This mile consists of mountainous land with a north-westerly slope. The soil is very rocky and unfit for cultivation. There is a sparse growth of sage on the entire mile except along the wash at 35.00 chs., where the sage is very heavy. There is some bunchgrass. No timber.

East on a random line between secs. 25 and 36.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

79.90 Intersect the East Bdy. of township 2 lks. North of the cor. of secs. 25, 30, 31 and 36, heretofore described.

Thence I run

N. $89^{\circ}59'W.$ on a true line between secs. 25 and 36.

Over rolling mountainous land.

Descend 125 ft. on NW. slope to wash.

39.95 Set an iron post 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap mkd:

S 25
$\frac{1}{4}$
S 36
1914