

4.

Fractional Resurvey of S. Bdy. T.39 N., R.20 E.

Chs.

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

South 109 chs. on high, rolling mountain top.

North 120 chs. on N. slope of mountain.

Soil, light loam, gravelly, sandy and rocky. Fair
sagebrush on nearly the entire line. Some aspens and
mahogany.

October 29, 1914.

Fractional Resurvey of S. Bdy. T.39 N., R.20 E.

July 16: At 9 h 35 m A.M., l.m.t., I set off $41^{\circ}12.5'$
on the lat. arc and $21^{\circ}27'N.$ on the decl. arc, and determine
with the solar almer. at the cor. of secs. 5, 6, 31 and 32,
which is a basalt stone $6 \times 7 \times 5$ ins. above a mound of stone,
40 ins. base, 28 ins. high, and marked with 5 grooves on
the E., and 1 groove on the W. face.

Thence I retrace

West between secs. 6 and 31.

40.40 Fall 1 lk. North of the $\frac{1}{4}$ sec. cor., which is a basalt
stone $6 \times 6 \times 3\frac{1}{2}$ ins. above a mound of stone, 36 ins. base,
26 ins. high, and marked $\frac{1}{4}$ on N. face.

From this $\frac{1}{4}$ sec. cor.

I retrace West.

51.09 Fall 2 lks. S. of the old C. C. of Tps. 38 and 39 N., R.
20 E., which is a talc stone $26 \times 13 \times 6$ ins., standing in a
mound of stone 6 ft. base, 2 ft. high, and marked with
6 grooves on N., S. E. and W. faces.

At this cor. I set off $21^{\circ}25.5'N.$ on the decl. arc, and
at apparent noon observe the sun on the meridian, the result-
ing lat. is $41^{\circ}12.5'$.

July 16, 1914.

August 1: From the cor. of secs. 5, 6, 31 and 32, I run
 $S.89^{\circ}59'W.$ on a true line between secs. 6 and 31.
Over mountainous land.

Ascend 60 ft. on SE. slope to top of spur.

32.00 Spur, projects $S.65^{\circ}W.$; descend 105 ft. on NW. slope to
ravine.

40.00 Set an iron post 3 ft. long, 1 inch in diam., 16 ins. in
the ground to bedrock and in a mound of stone for $\frac{1}{4}$ sec.
cor. for sec. 31 only, with brass cap mkd:

S 31

$\frac{1}{4}$

1914

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

40.40 The old $\frac{1}{4}$ sec. cor., which I change to refer to sec. 6,
only, by turning the stone about so that the markings
face the south, and raising a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high, S. of cor.

At this point my course changes to $N.89^{\circ}58'W.$

44.50 Deep ravine, course $S.65^{\circ}W.$ Ascend 75 ft. on SE. slope
to top of spur.

63.80 Spur, projects S.; descend 245 ft. on SW. slope to
creek bottom.

73.10 Enter creek bottom, bears $N.35^{\circ}W.$ and $S.35^{\circ}E.$

78.10 Wall Creek, flowing, clear water 6 lks. wide, 8 ins.
deep, course $S.10^{\circ}E.$

90.30 Dry wash, 15 lks. wide, 8 ins. deep, course SE.

91.49 The old closing corner of Tps. 38 and 39 N., R.20 E.

As this is not on the line between the cor. of Tps. 38
and 39 N., R.19 E., and the $\frac{1}{4}$ sec. cor. on the E. Bdy.
of sec. 1, Tp. 38 N., R. 19 E., I change it to a line
point by effacing the markings on the E. and W. faces,
and marking L P on the E. face.

At this point my course changes to West.

94.60 Intersect the E. Bdy. of T. 38 N., R.19 E., at a point
 $S.0^{\circ}15'E.$, 11.26 chs. from the cor. of Tps. 38 and 39 N.,