

## Retracement of E. bdy. of T. 20 N., R. 49 E.

5

Chains

W. on the S. bdy. of sec. 31.  
Ascend very slight slope.  
13.20 Old wagon road, bears S. 10°W. and N. 10°E.  
14.50 Dry wash, drains S. 35°W.  
20.50 Ascend slight East slope of small ridge.  
29.50 Top of ridge, bears N. 45°W. and S. 45°E.; descend.  
40.00 No trace of old  $\frac{1}{4}$  sec. cor.  
Set an iron post 3 ft. long, 1 ins. diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., with brass cap mkd.,

S 31 $\frac{1}{2}$   
1915

Dig pits, 18x18x12ins, E. and W. of cor. 3 ft. dist., and  
raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high N. of  
corner.  
64.00 Descend very slight slope.  
80.00 Set temp. cor. for Tps. 21 N., Rgs. 48 and 49 E.  
Note: This temp. cor. was afterwards moved 2.68 chs. W.  
to a point at the intersection of a line produced S.  
from the cor. of Tps. 21 and 22 N., Rgs. 48 and 49 E.,  
where standard corner of T. 21 N., R. 48 and 49 E. was  
established. (See notes of T. 21 N., R. 48 E.) making the  
length of mile on S. bdy. of sec. 31, 82.68 chs. in  
length.  
Land, level.  
Soil, sandy loam with quantities of small pebbles.  
Undergrowth, bunch grass and fair growth of rye grass.  
July 10, 1915.

## RETRACEMENT OF E. BOUNDARY T. 20 N., R. 49 EAST

Retraced by H. W. Reppert.  
July 9, 1915: At 9h. 00m., a.m., apparent time, I set off  
22° 27' N. on the decl. arc; 39° 39 $\frac{1}{2}$ ' N. on the lat. arc  
and determine a meridian with the solar at the point for  
old closing corner on the 4th Standard Parallel North,  
12.76 chs. E. of the Standard Corner of T. 21 N., Rgs.  
49 and 50 E. as shown on plat accompanying instructions.  
No traces of the closing corner found.  
Thence I run  
S. on a retracement of the E. bdy. of the Tp. making a  
careful search at 50.56 chs., as indicated by the plat  
accompanying instructions, and thence at intervals of  
40 chs., for traces of old corners.  
No indications of old corners apparent.  
250.56 At 12h. 00m., noon, apparent time, I set off 22° 26' N.,  
on the decl. arc and observe the sun in the meridian for  
latitude. The resulting latitude is 39° 36 $\frac{1}{2}$ ' N.  
Continue S. on the E. bdy. of the Tp. making careful  
search at intervals of 40 chs. for old cors.  
490.56 No indications of old cor. of Tps. 19 and 20 N., Rgs. 49  
and 50 E.

July 9, 1915.

Retraced by H. W. Reppert.  
July 10, 1915: At 9h 00m., a.m., apparent time, I set off  
22° 20' N. on the decl. arc; 39° 34' N. on the lat. arc  
and determine a meridian with the solar at a point  
490.56 chs. S. of the N. E. cor. of T. 20 N., R. 49 E.  
as established July 9th 1915, in accordance with plat  
accompanying instructions. At this point set temp.  
cor. of Ts. 19 and 20 N., Rgs. 49 and 50 E. Thence I  
run S. on a retracement of the E. bdy. of T. 19 N., R. 49  
E., making a careful search at intervals of 40 chs. for  
traces of old cors.  
No indications of old cors. apparent.