

Retracement of E. Bdy. T. 25 N., R. 27 E.

1.

Chains

Survey began Oct. 16, 1911, and executed with a Young & Son's Solar Transit. The instrument was examined, tested on the meridian at Reno, Nev., found correct, and was approved by the Surveyor General of Nevada Aug. 12, 1911.

At the cor. of Ts. 24 and 25 N., Rs. 27 and 28 E., at 5 h 55 m P.M., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a stake driven in the ground 15 chs. N. of my station. *This cor. is in lat.*
 $38^{\circ}59'N$; long. $118^{\circ}52'W$.
 Oct. 16, 1911.

Oct. 17, 1911. At 7 h 30 m A.M., l.m.t., I lay off the azimuth of Polaris $1^{\circ}31\frac{1}{2}'$ to the W., and mark the meridian thus determined by a mark on a stake about 15 chs. N. of my station.

At 8 h 0 m A.M., l.m.t., I set off $39^{\circ}58'N$. on the lat. arc; $8^{\circ}57\frac{1}{2}'S$. on the decl. arc, and determine a meridian with the solar and mark a point on the stake already set 15 chs. N. of my station. This mark falls $\frac{5}{8}$ in. west of the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

I sight to flag on sec. cor. one mile north.
 Thence I run

N. $0^{\circ}03'W$. on the E. bdy. of sec. 36, T. 25 N., R. 27 E., Over gently rolling land, desc.

29.00 Wash 6 lks. wide, course NE.

33.00 Wash 20 lks. wide, course NE.

34.40 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for $\frac{1}{4}$ sec. cor. marked on brass cap:

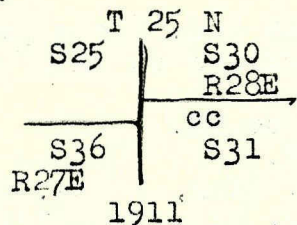
S $36\frac{1}{4}$
 1911

and dig pits $18 \times 18 \times 12$ 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.

40.00 A porphyry rock $12 \times 8 \times 8$ ins. above ground marked $\frac{1}{4}$ on W. face on line. I change the markings of this cor. to refer to sec. 31 only.

46.75 Wash 10 lks. wide, course NE.

74.40 Set an iron post 3 ft. long, 2 ins. diam. 24 ins. in the ground for closing cor. of secs. 25 and 36, marked on brass cap:



and dig pits $24 \times 18 \times 12$ ins. crosswise on each line N. and S. 3 ft. and W. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land gently rolling; soil sandy; scattering desert brush.

N. $0^{\circ}03'W$. on E. bdy. of sec. 25.
 Desc. over smooth NE. slope.

5.64 A malpais rock $10 \times 6 \times 6$ ins. above ground marked with 1 notch on S. and 5 notches on N. edges. I change the Accessories of this cor. to refer to E. secs. only.
 I sight to flag one mile north and run N. $0^{\circ}03'W$. on true line.

39.85 Wash 15 lks. wide, course N. $80^{\circ}E$.

40.00 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in ground for $\frac{1}{4}$ sec. cor. marked on brass cap: