

## EAST BOUNDARY T. 4 S., R. 51 E.

Chains. and 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 7h.30m., a. m., is N.16° 41'W.; the angle thus determined gives the mag.decl.16° 41'E.

Thence I run, from the Tp.cor.already described,

North bet.secs. 31 and 36,

Ascending gradually, over sandy land; through dense undergrowth.

40.00 Set a basalt stone 12x10x6 ins. 8 ins.in the ground,for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits 18x18x12 ins. N. and S.of stone 3 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high W.of cor.

46.45 Road bears E. and W.

80.00 Set a basalt stone 15x10x4 ins., 10 ins.in the ground for cor.of secs.25,30,31, and 36, marked with 1 notch on S. and 5 notches on N.edge; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high W.of cor.

Land, sloping south.

Soil, sandy, 3d rate.

No timber.

Undergrowth,greasewood and sagebrush.

Land covered with dense undergrowth 80.00 chs.

North, bet.secs.25 and 30,

Ascending gradually over sandy land; through dense undergrowth.

2.75 Road, bears E. and W.

40.00 Set a basalt stone 18x8x4 ins., 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise a mound