22

SECOND STANDARD PARALLEL SOUTH, through RANGE 44 EAST.

CHAINS	
	October 27: At 7h.44m.,a.m.,l.m.t.,I set off 37°10'N., on lat.arc,12°35'S.on decl.arc,and determine a meridian with the solar,at the cor.of Tps.8 S.,Rs.44 and 45 E., heretofore described.

Thence I run

      West,on S.Bdy.of sec.36.

Gradual descent,through dense undergrowth.

Difference between measurement of 40.00 chs.,by two sets of chainmen is 4 lks.,position of middle point

      By 1st.set,40.02 chs.,

      By 2nd.set,39.98 chs.,the mean of which is

40.00 Set a basalt stone,15x12x9 ins.,10 ins.in the ground,for standard ¼ sec.cor.,marked S C ¼ on N.face,and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

78.40 Road,bears NW.and SE.

Difference between measurement of 80.00 chs.,by two sets of chainmen is 6 lks.,position of middle point

      By 1st.set,80.03 chs.,

      By 2nd.set,79.97 chs.,the mean of which is

80.00 Set a basalt stone,20x14x10 ins.,15 ins.in the ground,for standard cor.of secs.35 and 36,marked S C on N.,with 1 groove on E.and 5 grooves on W.faces,and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.

Pits impracticable.

Land,nearly level.

Soil,sandy,3rd.rate.

No timber; undergrowth,greasewood.

Dense undergrowth on 80.00 chs.

      West,on S.Bdy.of sec.35.

Gradual descent,through dense undergrowth.

Difference between measurement of 40.00 chs.,by two sets of chainmen is 6 lks.,position of middle point

      By 1st.set,40.03 chs.,

      By 2nd.set,39.97 chs.,the mean of which is