WEST BOUNDARY OF T.9 S.,R.42 E.

Survey commenced,November 2,1906 and executed with the instrument described in book "A",of this survey.

I examine the adjustments of the transit,and correct the level and collimation errors; then,to test the solar apparatus, by comparing its indications,resulting from solar observations made during a.m.and p.m.hours,with a meridian determined by observations on Polaris,I proceed as follows:

At a point,2.18 chs.E.of the standard cor. to Tps.8 S.,Rs.41 and 42 E.,on the 2nd.Stan.Par.S., which is a basalt rock in place,4½x3x1½ ft.above ground marked and witnessed as described by the surveyor general,latitude 37°09'N.,longitude 117°22'W.

At this point,I set a basalt stone,18x12x10 ins ,12 ins.in the ground,for closing cor.to Tps.9 S.,Rs.41 and 42 E.,marked C C 9 S on S.,41 E on W.,and 42 E on E., with 6 grooves on S.,E.and W.,faces,and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
Pits impracticable.
November 2: At 3h.44m.,p.m.,l.m.t.,I set off 14°40'S. on decl.arc, 37°09'N.on lat.arc,and determine with the solar a meridian and mark a point thereof,on a stone firmly set in the ground,5 chs.N.of the cor.

November 2,1906.

November 3: At 4h.36m.,a.m.,l.m.t.,I observe Polaris at western elongation,in accordance with Manual of Instructions,and mark a point in the line thus determined on a peg driven in the ground,5 chs.N.of my station.

At 7 a.m.,l.m.t.,I lay off the azimuth of Polaris, 1°30'to the east,and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.3 ins.eastof the mark determined by the solar.

At 7h.44m.,a.m.,l.m.t.,I set off 37°09'N.on lat.arc, 14°52'S.on decl.arc,and mark a point in the meridian