Survey of N. bdy. T 34 N,R. 47E.

Chains	0.2 ins.east of the meridian established by the Polaris observation.
	The solar apparatus by P.M. and A.M. observations,defines positions for meridians,respectively about 0.42" and 0.10" 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 8 h.10 m., a.m.,l.m.t., is N 18°55'W,the angle thus determined gives the mag.decl. 18°55'E.
	From the cor. of tps.34 and 35 N,Rgs. 46 and 47 E,I run E. on the tangent bet. secs. 6 and 31,running a random line on the N. bdy. of the tp. At intervals of 40 chs. I set temp. ½ sec. and sec. cors.
	At 6 miles 4.65 chs. I fall 1.08 chs. N. of the cor of Tps. 34 and 35 N, Rgs. 47 and 48 E,reestablished by me June 13,1914.
	This falling for the distance run,making allowance for the variation of the tangent of the random line from an E. and W. line,makes the course bet. the tp. cors. to be N 89°50'W.
	From the cor. of Tps.34 and 35 N,Rgs.47 and 48 E, I now run N 89°50'W,on a tangent line bet. secs. 1 and 36.
	Along the N. side of Rock creek,in Rock creek canon.
9.70	Rock creek,20 lks. wide,course S 70°E. Asc. 80 ft. to
19.20	Spur from S. side of Rock creek canon,slopes N. Desc.75 ft. to
29.00	Rock creek,20 lks. wide,course N 60°E. Asc.115 ft. to
40.00	N.0.4 lks. from the tangent.
	Set a basalt stone 28-20-7 ins. 18 ins. in the ground for ¼ sec. cor. for sec. 36,mkd. ½ on the N.face and raise a mound of stone,2 ft. base,1½ ft. high N. of cor.
40.50	Spur from N. side of Rock creek canon,slopes S. Desc. 100 ft. to
44.65	N. 0.4 lks. from the tangent. Set a basalt stone 20-8-8 ins. 14 ins. in the ground for