

At 21:30, the reservoir height was 13 ft in Emilsen's model. The productivity index scales linearly with the exposed reservoir (Craft and Hawkins, 1991, 247). We now assume that this effect is accounted for in the cement column. We also assume that there is no cement covering the reservoir.

Table A1: Results of flow channel size calculations

Parameter	Unit	Flow rate (Q_F) in stb/min	
		12	27
p_{res}	psi	11,856	11,856
Δp_{Darcy}	psi	353	794
p_{bhp}	psi	9,524	7,593
$\Delta p_{channel}$	psi	1,980	3,496
PI	bbl/(day·psi)	7.41	9.12
D_F	inch	2.17	2.64