

Maximum Reservoir Exposed, High K

Scenario:

- 88' reservoir exposed
- 300 mD
- 3800 psi at wellhead

	Hanger Failure (Annular Flow)		Shoetrack Failure (Casing Flow)	
	Drill Pipe Only	No Drill Pipe	Drill Pipe Only	No Drill Pipe
Skin 0	24	45	31	82
Skin 10	23	40	28	67
Skin 25	21	34	26	50

Scenario:

- 88' reservoir exposed
- 300 mD
- 2270 psi at wellhead

	Hanger Failure (Annular Flow)		Shoetrack Failure (Casing Flow)	
	Drill Pipe only	No Drill Pipe	Drill Pipe Only	No Drill Pipe
Skin 0	27	52	35	96
Skin 10	26	47	32	79
Skin 25	24	41	29	61

Flow increases by an average of 15% when wellhead pressure drops from 3800 psi to 2270 psi