

**International Well Control Forum
Surface BOP vertical well kill sheet
(metric/bar units – 0.0981)**

Date: _____

Name: _____

Formation strength data:

Surface leak-off pressure from formation strength test bar

Fluid density at test kg/l

Maximum allowable fluid density =

$(B) + \left(\frac{(A)}{\text{casing shoe TVD} \times 0.0981} \right) = (C)$ kg/l

Initial MAASP =

$((C) - \text{current fluid density}) \times 0.0981 \times \text{casing shoe TVD} =$ bar

Current well data:

Current fluid:

Density kg/l

Casing shoe data:

Size in

MD m

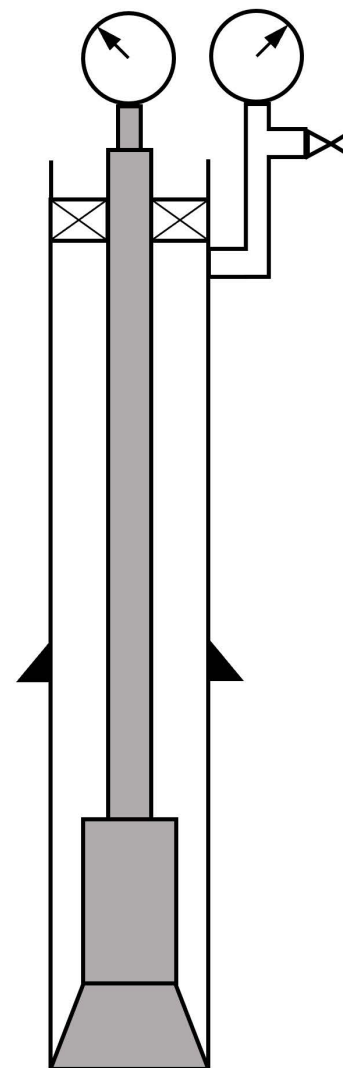
TVD m

Openhole data:

Size in

MD m

TVD m



Pump 1 displacement	Pump 2 displacement
l/stroke	l/stroke

	Circulating pressure at kill rate (SCR)	
Kill rate data:	Pump 1	Pump 2
SPM		
SPM		

Surface lines volume	(D)	l	strokes
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Pre-recorded volume data	Length m	Capacity l/m	Volume l	Pump strokes	Time minutes
Drillpipe (DP)	x	=		volume / pump displacement	pump strokes / kill rate
Heavy weight drillpipe (HWDP)	x	=	+		
Drill collars (DC)	x	=	+		

Drillstring volume	(E)	l	(F)	strokes	min
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DC x openhole	x	=			
DP/HWDP x openhole	x	=	+		

Openhole volume	(G)	l		strokes	min
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DP x casing	(H)	x	=	strokes	min
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Total annulus volume	(G) + (H) = (I)	l		strokes	min
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Total well system volume	(E) + (I) = (J)	l		strokes	min
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Active surface pit volume	(K)	l		strokes	min
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Total active fluid volume	(D) + (J) + (K)	l		strokes	min
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