

**International Well Control Forum
Subsea BOP vertical well kill sheet
(SI units)**

Date: _____

Name: _____

Formation strength data:

Surface leak-off pressure from formation strength test (A) kPa

Fluid density at test (B) kg/m³

Maximum allowable fluid density =

$(B) + \left(\frac{(A)}{\text{casing shoe TVD} \times 0.00981} \right) =$ (C) kg/m³

Initial MAASP =

$((C) - \text{current fluid density}) \times 0.00981 \times \text{casing shoe TVD}$
= kPa

Current well data:

Subsea BOP data:

Marine riser length m

Choke line length m

Current fluid:

Density kg/m³

Casing shoe data:

Size mm

MD m

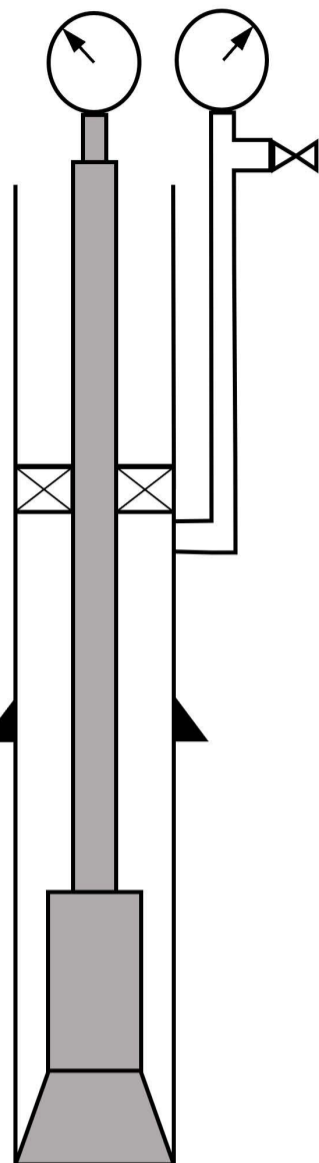
TVD m

Openhole data:

Size mm

MD m

TVD m



Pump 1 displacement	Pump 2 displacement
m³/stroke	m³/stroke

Circulating pressure at kill rate (SCR)						
Kill rate data:	Pump 1			Pump 2		
	Riser	Choke line	Choke line friction	Riser	Choke line	Choke line friction
SPM						
SPM						

Surface lines volume	(D)	m³	strokes
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Pre-recorded volume data	Length m	Capacity m³/m	Volume m³	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)	m³	(F)	strokes	min
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DC x openhole	x	=			
DP/HWDP x openhole	x	=	+		

Openhole volume	(G)	m³		strokes	min
DP x casing	(H)	x	=	+	strokes
Choke line	(I)	x	=	+	strokes

Total annulus/choke line volume	(G)+(H)+(I)=(J)	m³		strokes	min
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Total well system volume	(E)+(J)=(K)	m³		strokes	min
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Active surface pit volume	(L)	m³		strokes	
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Total active fluid volume	(D)+(K)+(L)	m³		strokes	
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Marine riser x DP	x	=	m³	strokes	min
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