

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

Date: _____

Name: _____

Formation strength data:

Surface leak-off pressure from formation strength test kPa

Fluid density at test kg/m³

Maximum allowable fluid density =

$(B) + \left(\frac{(A)}{\text{casing shoe TVD} \times 0.00981} \right) = (C) \text{ kg/m}^3$

Initial MAASP =

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

Current well data:

Current fluid:

Density kg/m³

Casing shoe data:

Size mm

MD m

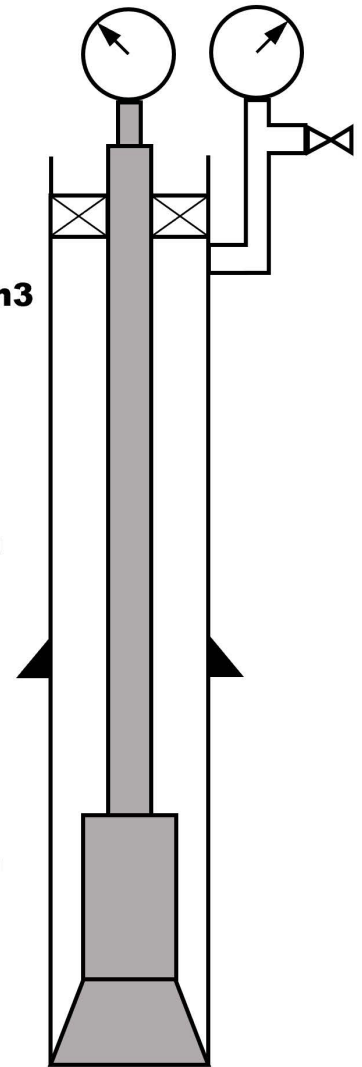
TVD m

Openhole data:

Size mm

MD m

TVD m



Pump 1 displacement	Pump 2 displacement
m ³ /stroke	m ³ /stroke

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

Surface lines volume	(D)			m³	strokes
Pre-recorded volume data	Length m	Capacity m³/m	Volume m³	Pump strokes	Time minutes
Drillpipe (DP)	x	=		$\frac{\text{volume}}{\text{pump displacement}}$	$\frac{\text{pump strokes}}{\text{kill rate}}$
Heavy weight drillpipe (HWDP)	x	=	+		
Drill collars (DC)	x	=	+		
Drillstring volume	(E)		m³	(F)	min
DC x openhole	x	=			
DP/HWDP x openhole	x	=	+		
Openhole volume	(G)		m³	strokes	min
DP x casing	(H)	x	=	strokes	min
Total annulus volume	(G) + (H) = (I)			m³	strokes
Total well system volume	(E) + (I) = (J)			m³	strokes
Active surface pit volume	(K)		m³	strokes	min
Total active fluid volume	(D) + (J) + (K)			m³	strokes

