

**International Well Control Forum  
Subsea BOP vertical well kill sheet  
(metric/bar units – 10.2)**

Date: \_\_\_\_\_

Name: \_\_\_\_\_

**Formation strength data:**

Surface leak-off pressure from formation strength test  bar

Fluid density at test  kg/l

**Maximum allowable fluid density =**

$(B) + \left( \frac{(A) \times 10.2}{\text{casing shoe TVD}} \right) =$   kg/l

**Initial MAASP =**

$\frac{((C) - \text{current fluid density}) \times \text{casing shoe TVD}}{10.2} =$   bar

<b>Pump 1 displacement</b>	<b>Pump 2 displacement</b>
l/stroke	l/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						

**Current well data:**

**Subsea BOP data:**

Marine riser length  m

Choke line length  m

**Current fluid:**

Density  kg/l

**Casing shoe data:**

Size  in

MD  m

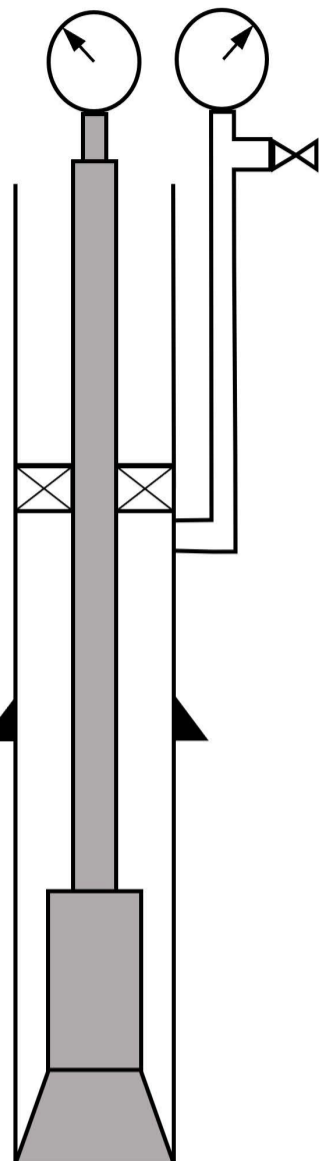
TVD  m

**Openhole data:**

Size  in

MD  m

TVD  m



Surface lines volume  l  strokes

Pre-recorded volume data	Length m	Capacity l/m	Volume l	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  l  strokes  min

DC x openhole	x	=	
DP/HWDP x openhole	x	=	+

Openhole volume	<input type="text" value="(G)"/>		<input type="text" value="l"/>	<input type="text" value=""/> strokes	<input type="text" value=""/> min
DP x casing	<input type="text" value="(H)"/>	x	=	<input type="text" value=""/> strokes	<input type="text" value=""/> min
Choke line	<input type="text" value="(I)"/>	x	=	<input type="text" value=""/> strokes	<input type="text" value=""/> min

Total annulus/choke line volume  l  strokes  min

Total well system volume  l  strokes  min

Active surface pit volume  l  strokes

Total active fluid volume  l  strokes

Marine riser x DP  x  =   strokes  min

