

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

Date: _____

Name: _____

Formation strength data:

Surface leak-off pressure from formation strength test psi

Fluid density at test ppg

Maximum allowable fluid density =

$(B) + \left(\frac{(A)}{\text{casing shoe TVD} \times 0.052} \right) = (C)$ ppg

Initial MAASP =

$((C) - \text{current fluid density}) \times 0.052 \times \text{casing shoe TVD}$
= psi

Current well data:

Current fluid:

Density ppg

Casing shoe data:

Size in

MD ft

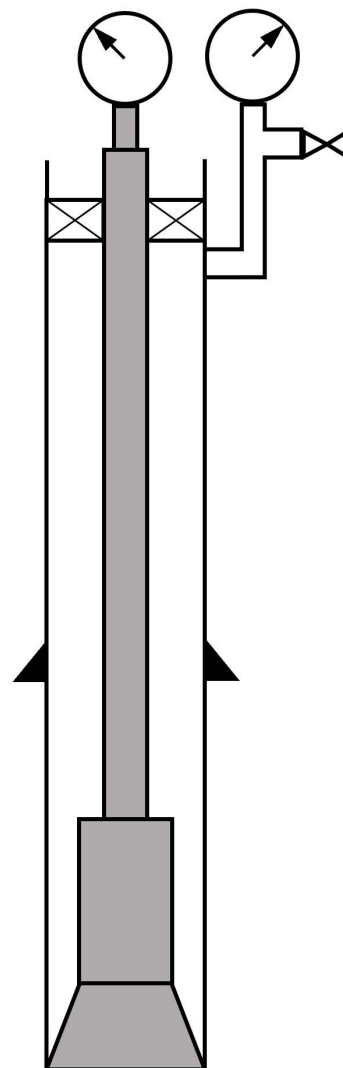
TVD ft

Openhole data:

Size in

MD ft

TVD ft



Pump 1 displacement	Pump 2 displacement
bbl/stroke	bbl/stroke

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

Surface lines volume	(D)	bbl	strokes
Pre-recorded volume data	Length ft	Capacity bbl/ft	Volume bbl
Drillpipe (DP)	x	=	
Heavy weight drillpipe (HWDP)	x	=	+
Drill collars (DC)	x	=	+
Drillstring volume	(E)	bbl	(F) strokes
DC x openhole	x	=	
DP/HWDP x openhole	x	=	+
Openhole volume	(G)	bbl	strokes min
DP x casing	(H)	x =	strokes min
Total annulus volume	(G) + (H) = (I)	bbl	strokes min
Total well system volume	(E) + (I) = (J)	bbl	strokes min
Active surface pit volume	(K)	bbl	strokes min
Total active fluid volume	(D) + (J) + (K)	bbl	strokes min

