

# International Well Control Forum

## Surface BOP Kill Sheet - Vertical Well (Metric/Bar)

DATE : \_\_\_\_\_

NAME : \_\_\_\_\_

**FORMATION STRENGTH DATA:**

SURFACE LEAK-OFF PRESSURE FROM  
FORMATION STRENGTH TEST       bar

DRILLING FLUID DENSITY AT TEST       kg/l

MAX. ALLOWABLE DRILLING FLUID DENSITY =  
**(B) +  $\frac{(A)}{\text{SHOE T.V. DEPTH} \times 0.0981}$  =  kg/l**

**INITIAL MAASP =**

**((C) - CURRENT DENSITY) x SHOE T.V. DEPTH x 0.0981**  
=  bar

**CURRENT WELL DATA::**

**CURRENT DRILLING FLUID:**

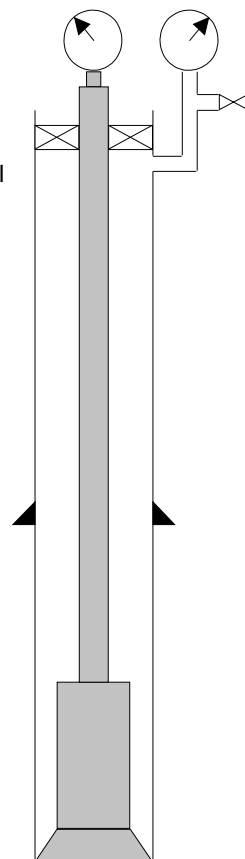
DENSITY       kg/l

**CASING SHOE DATA:**

SIZE       in

M. DEPTH       m

T.V. DEPTH       m



**HOLE DATA:**

SIZE       in

M. DEPTH       m

T.V. DEPTH       m

PUMP NO. 1 DISPL.	PUMP NO. 2 DISPL.
l / stroke	l / stroke

<b>(PL) DYNAMIC PRESSURE LOSS [bar]</b>		
SLOW PUMP RATE DATA:	PUMP NO. 1	PUMP NO. 2
SPM		
SPM		

PRE-RECORDED VOLUME DATA:	LENGTH m	CAPACITY l / m	VOLUME litres	PUMP STROKES stks	TIME minutes
DRILL PIPE	x	=		<b>VOLUME</b> PUMP DISPLACEMENT	<b>PUMP STROKES</b> SLOW PUMP RATE
HEAVY WALL DRILL PIPE	x	=	+		
DRILL COLLARS	x	=	+		
<b>DRILL STRING VOLUME</b>			<b>(D)</b> l	<b>(E)</b> stks	min
DC x OPEN HOLE	x	=			
DP / HWDP x OPEN HOLE	x	=	+		
<b>OPEN HOLE VOLUME</b>			<b>(F)</b> l	stks	min
DP x CASING	x	=	<b>(G)</b> l	stks	min
<b>TOTAL ANNULUS VOLUME</b>			<b>(F+G) = (H)</b> l	stks	min
<b>TOTAL WELL SYSTEM VOLUME</b>			<b>(D+H) = (I)</b> l	stks	min
ACTIVE SURFACE VOLUME			<b>(J)</b> l	stks	
<b>TOTAL ACTIVE FLUID SYSTEM</b>			<b>(I + J)</b> l	stks	

