

International Well Control Forum

Subsea BOP Kill Sheet - Vertical Well (Metric/Bar)

DATE : _____

NAME : _____

FORMATION STRENGTH DATA:

SURFACE LEAK -OFF PRESSURE FROM FORMATION STRENGTH TEST bar

DRILLING FLUID DENS. AT TEST kg/l

MAX. ALLOWABLE DRILLING FLUID DENSITY =
 $(B) + \frac{(A) \times 10.2}{\text{SHOE T.V. DEPTH}} = (C)$ kg/l

INITIAL MAASP =

$\frac{((C) - \text{Current Density}) \times \text{Shoe TVD}}{10.2} =$ bar

CURRENT WELL DATA:

SUBSEA BOP DATA:

MARINE RISER LENGTH m

CHOKELINE LENGTH m

DRILLING FLUID:
 DENSITY kg/l

CASING SHOE DATA:

SIZE in

M. DEPTH m

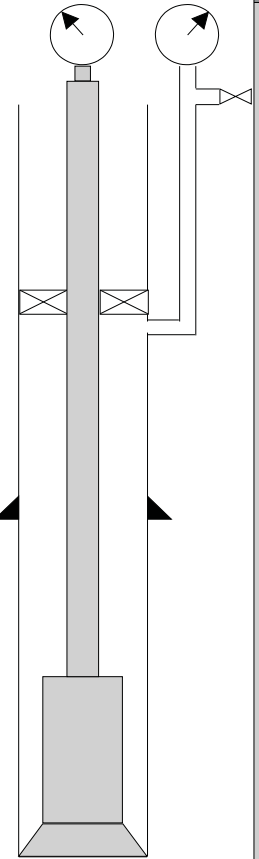
T.V. DEPTH m

HOLE DATA:

SIZE in

M. DEPTH m

T.V. DEPTH m



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

(PL) DYNAMIC PRESSURE LOSS [bar]						
SLOW PUMP RATE DATA:	PUMP NO. 1			PUMP NO. 2		
	Riser	Choke Line	<i>Choke Line Friction</i>	Riser	Choke Line	<i>Choke Line Friction</i>
	SPM	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SPM	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

PRE-RECORDED VOLUME DATA:	LENGTH m	CAPACITY l / m	VOLUME litres	PUMP STROKES stks	TIME minutes
DRILL PIPE	x	=	+	VOLUME PUMP DISPLACEMENT	
HEVI WALL DRILL PIPE	x	=	+		
DRILL COLLAR	x	=	+		
DRILL STRING VOLUME			(D) l	(E) stks	min
DC x OPEN HOLE	x	=			
DP / HWDP x OPEN HOLE	x	=	+		
OPEN HOLE VOLUME			(F) l	<input type="text"/> stks	min
DP x CASING	x	=	(G) +	<input type="text"/> stks	min
CHOKELINE	x	=	(H) +	<input type="text"/> stks	min
TOTAL ANNULUS/CHOKELINE VOLUME			(F+G+H) = (I) l	<input type="text"/> stks	min
TOTAL WELL SYSTEM VOLUME			(D+I) = (J) l	<input type="text"/> stks	min
ACTIVE SURFACE VOLUME			(K) l	<input type="text"/> stks	
TOTAL ACTIVE FLUID SYSTEM			(J+K) l	<input type="text"/> stks	
MARINE RISER x DP	x	=	l	<input type="text"/> stks	

