

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) + $\frac{(A) \times 10.2}{\text{SHOE T.V. DEPTH}}$ = kg/l

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

CURRENT WELL DATA::
CURRENT DRILLING FLUID:

 DENSITY kg/l

CASING SHOE DATA:

 SIZE in

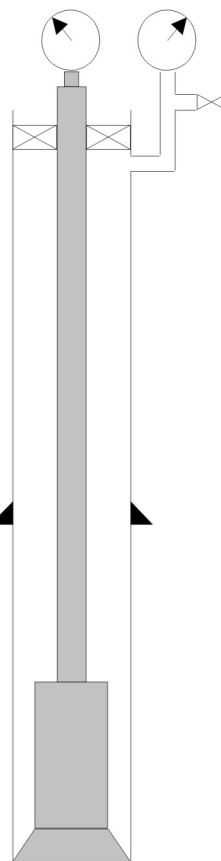
 M. DEPTH m

 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

(PL) DYNAMIC PRESSURE LOSS [bar]		
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	=		VOLUME PUMP DISPLACEMENT	PUMP STROKES SLOW PUMP RATE
HEAVY WALL DRILL PIPE	x	=	+		
DRILL COLLARS	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	stks	min
DP x CASING	x	=	(G) l	stks	min
TOTAL ANNULUS VOLUME			(F+G) = (H) l	stks	min
TOTAL WELL SYSTEM VOLUME			(D+H) = (I) l	stks	min
ACTIVE SURFACE VOLUME			(J) l	stks	
TOTAL ACTIVE FLUID SYSTEM			(I + J) l	stks	

