

International Well Control Forum

Subsea BOP Kill Sheet - Vertical Well (S.I. Units)

DATE : _____

NAME : _____

FORMATION STRENGTH DATA:

 SURFACE LEAK-OFF PRESSURE FROM FORMATION STRENGTH TEST kPa

 DRILLING FLUID DENSITY AT TEST kg/m³

 MAX. ALLOWABLE DRILLING FLUID DENSITY =
 (B) + $\frac{(A)}{\text{SHOE T.V. DEPTH} \times 0.00981}$ = kg/m³
INITIAL MAASP =

 ((C) - Current Density) x 0.00981 x Shoe TVD = kPa

CURRENT WELL DATA:
SUBSEA BOP DATA:

 MARINE RISER LENGTH m

 CHOKELINE LENGTH m

CURRENT DRILLING FLUID:

 DENSITY kg/m³
CASING SHOE DATA:

 SIZE mm

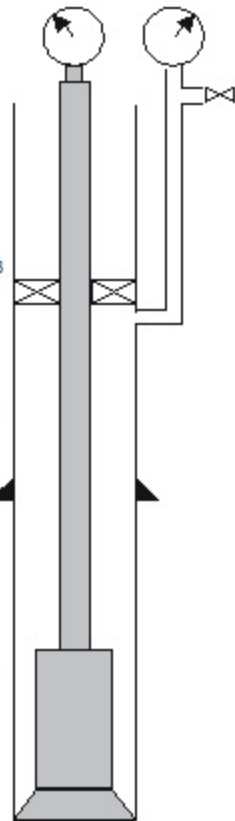
 M. DEPTH m

 T.V. DEPTH m

HOLE DATA:

 SIZE mm

 M. DEPTH m

 T.V. DEPTH m


PUMP NO. 1 DISPL	PUMP NO. 2 DISPL
m ³ / stroke	m ³ / stroke

(PL) DYNAMIC PRESSURE LOSS [kPa]						
SLOW PUMP RATE DATA:	PUMP NO. 1			PUMP NO. 2		
	Riser	Choke Line	Friction Choke Line	Riser	Choke Line	Friction Choke Line
	SPM			SPM		

PRE-RECORDED VOLUME DATA:	LENGTH m	CAPACITY m ³ / m	VOLUME m ³	PUMP STROKES stks	TIME minutes
DRILL PIPE	x	=		$\frac{\text{VOLUME}}{\text{PUMP DISPLACEMENT}}$	$\frac{\text{PUMP STROKES}}{\text{SLOW PUMP RATE}}$
HEAVY WALL DRILL PIPE	x	=	+		
DRILL COLLARS	x	=	+		
DRILL STRING VOLUME			(D) m ³	(E) stks	min
DC x OPEN HOLE	x	=		stks	min
DP / HWDP x OPEN HOLE	x	=	+		
OPEN HOLE VOLUME			(F) m ³		
DP x CASING	x	=	(G) +		
CHOKELINE	x	=	(H) +		
TOTAL ANNULUS / CHOKELINE VOLUME			(F+G+H) = (I) m ³	stks	min
TOTAL WELL SYSTEM VOLUME			(D+I) = (J) m ³	stks	min
ACTIVE SURFACE VOLUME			(K) m ³	stks	
TOTAL ACTIVE FLUID SYSTEM			(J+K) m ³	stks	
MARINE RISER x DP	x	=	m ³	stks	

