

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) + $\frac{(A) \times 102}{\text{SHOE T.V. DEPTH}}$ = kg/m³

INITIAL MAASP =

$\frac{((C) - \text{Current Density}) \times \text{Shoe TVD}}{102}$ = kPa

CURRENT WELL DATA:

SUBSEA BOP DATA:

MARINE RISER m
 LENGTH
 CHOKELINE m
 LENGTH

CURRENT DRILLING FLUID:

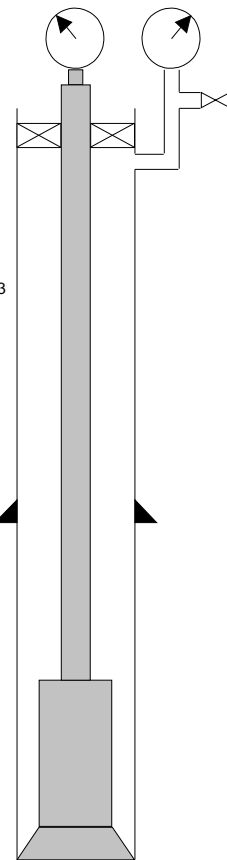
DENSITY kg/m³

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.
$\text{m}^3 / \text{stroke}$	$\text{m}^3 / \text{stroke}$

(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	=		VOLUME PUMP DISPLACEMENT	PUMP STROKES 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	=			
DP / HWDP x OPEN HOLE	x	=	+		
OPEN HOLE VOLUME			(F) m ³	stks	min
DP x CASING	x	= (G)	+	stks	min
CHOKELINE	x	= (H)	+	stks	min
TOTAL ANNULUS VOLUME		(F+G) = (H)	m ³	stks	min
TOTAL WELL SYSTEM VOLUME		(D+H) = (I)	m ³	stks	min
ACTIVE SURFACE VOLUME		(J)	m ³	stks	
TOTAL ACTIVE FLUID SYSTEM		(I + J)	m ³	stks	
MARINE RISER x DP	x	=	m ³	stks	

