

International Well Control Forum

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

DATE : _____

NAME : _____

FORMATION STRENGTH DATA:

SURFACE LEAK-OFF PRESSURE FROM FORMATION STRENGTH TEST

(A) kPa

DRILLING FLUID DENSITY AT TEST

(B) kg/m³

MAX. ALLOWABLE DRILLING FLUID DENSITY =

(B) + $\frac{(A)}{\text{SHOE T.V. DEPTH} \times 0.00981}$ = (C) kg/m³

INITIAL MAASP =

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

CURRENT WELL DATA:

CURRENT DRILLING FLUID:

DENSITY kg/m³

CASING SHOE DATA:

SIZE mm

M. DEPTH m

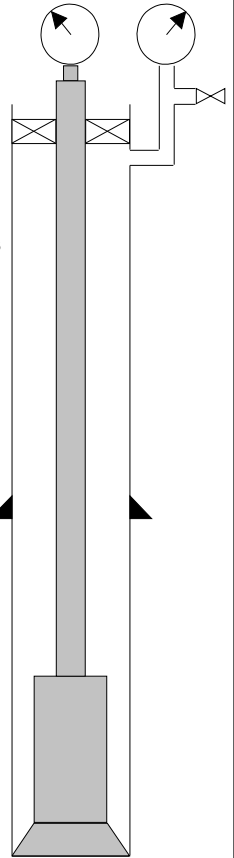
T.V. DEPTH m

HOLE DATA:

SIZE mm

M. DEPTH m

T.V. DEPTH m



PUMP NO. 1 DISPL.	PUMP NO. 2 DISPL.
<input type="text"/>	<input type="text"/>
m ³ / stroke	m ³ / stroke

(PL) DYNAMIC PRESSURE LOSS		
SLOW PUMP RATE DATA:	PUMP NO. 1	PUMP NO. 2
SPM	kPa	kPa
SPM	kPa	kPa

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) l	(E) stks	min
DC x OPEN HOLE	x	=		stks	min
DP / HWDP x OPEN HOLE	x	=	+		
OPEN HOLE VOLUME			(F) l		
DP x CASING	x	=	(G) +	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	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

