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 **(A)** bar

DRILLING FLUID DENSITY AT TEST **(B)** kg/l

MAX. ALLOWABLE DRILLING FLUID DENSITY =

(B) + $\frac{\textbf{(A)}}{\text{SHOE T.V. DEPTH x 0.0981}}$ = **(C)** kg/l

INITIAL MAASP =

((**C**) - CURRENT DENSITY) x SHOE T.V. DEPTH x 0.0981

= _____ bar

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

	(PL) DYNAMIC **P**RESSURE **L**OSS [bar]	
SLOW PUMP RATE DATA:	PUMP NO. 1	PUMP NO. 2
SPM		
SPM		

CURRENT WELL DATA::

CURRENT DRILLING FLUID:

DENSITY _____ kg/l

CASING SHOE DATA:

SIZE _____ in

M. DEPTH _____ m

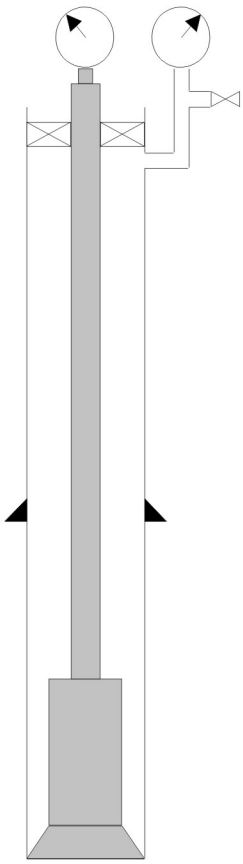
T.V. DEPTH _____ m

HOLE DATA:

SIZE _____ in

M. DEPTH _____ m

T.V. DEPTH _____ m



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)** +	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	

Dr No SV02/01
(BAR 981)
27-Jan-2000

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KICK DATA :

SIDPP [ ] bar SICP [ ] bar PIT GAIN [ ] litres

KILL FLUID DENSITY KMD	CURRENT DRILLING FLUID DENSITY + $\frac{\text{SIDPP}}{\text{TVD x 0.0981}}$ .... + $\frac{\text{\_\_\_\_\_\_\_\_}}{\text{x 0.0981}}$ = ... kg / l
INITIAL CIRCULATING PRESSURE ICP	DYNAMIC PRESSURE LOSS + SIDPP .... + ... = ... bar
FINAL CIRCULATING PRESSURE FCP	$\frac{\text{KILL FLUID DENSITY}}{\text{CURRENT DRILLING FLUID DENSITY}}$ x DYNAMIC PRESSURE LOSS ________ x .... = ... bar
(K) = ICP - FCP Bar	(K) x 100 --.--------- (E) = Bar/100 strokes

STROKES	PRESSURE [bar]