International Well Control Forum
Surface BOP Vertical Well Kill Sheet (API Field Units)

DATE : _____

NAME : _____

FORMATION STRENGTH DATA:

SURFACE LEAK -OFF PRESSURE FROM FORMATION STRENGTH TEST **(A)** psi

MUD WEIGHT AT TEST **(B)** ppg

MAXIMUM ALLOWABLE MUD WEIGHT =

$$\textbf{(B)} + \frac{\textbf{(A)}}{\text{SHOE T.V. DEPTH} \times 0.052} = \textbf{(C)} \text{ ppg}$$

INITIAL MAASP =

((**C**) - CURRENT MUD WEIGHT) x SHOE T.V. DEPTH x 0.052

= _____ psi

CURRENT WELL DATA::

CURRENT DRILLING MUD:

WEIGHT _____ ppg

CASING SHOE DATA:

SIZE _____ inch

M. DEPTH _____ feet

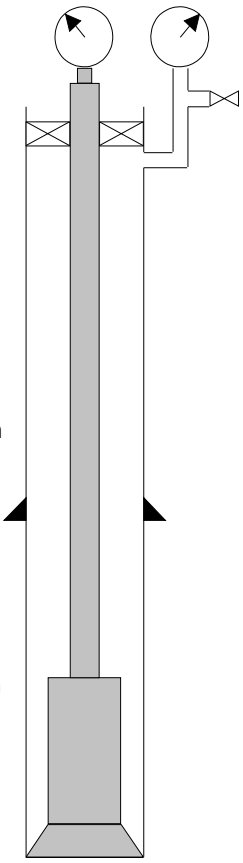
T.V. DEPTH _____ feet

HOLE DATA:

SIZE _____ inch

M. DEPTH _____ feet

T.V. DEPTH _____ feet



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

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

PRE-RECORDED VOLUME DATA:	LENGTH feet	CAPACITY bbls / foot	VOLUME barrels	PUMP STROKES strokes	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)** bbls	**(E)** strokes	Min
DC x OPEN HOLE	x		=		
DP / HWDP x OPEN HOLE	x		= +		
OPEN HOLE VOLUME			**(F)** bbls	strokes	Min
DP x CASING	x		=**(G)** +	strokes	Min
TOTAL ANNULUS VOLUME			**(F+G)** = **(H)** bbls	strokes	Min
TOTAL WELL SYSTEM VOLUME			**(D+H)** = (I) bbls	strokes	Min
ACTIVE SURFACE VOLUME			**(J)** bbls	strokes	
TOTAL ACTIVE FLUID SYSTEM			**(I +J)** bbls	strokes	

Dr No SV 04/01
(Field Units)
27-01-2000

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Surface BOP Kill Sheet - Vertical Well (API Field Units)

DATE : _____

NAME : _____

KICK DATA : SIDPP [ ] psi SICP [ ] psi PIT GAIN [ ] barrels

KILL MUD WEIGHT

KMW

CURRENT MUD WEIGHT + $\frac{\text{SIDPP}}{\text{TVD x 0.052}}$

..... + $\frac{\text{\_\_\_\_\_}}{\text{X 0.052}}$ = ppg

INITIAL CIRCULATING PRESSURE

ICP

DYNAMIC PRESSURE LOSS + SIDPP

..... + ... = psi

FINAL CIRCULATING PRESSURE

FCP

$\frac{\text{KILL MUD WEIGHT}}{\text{CURRENT MUD WEIGHT}}$ x DYNAMIC PRESSURE LOSS

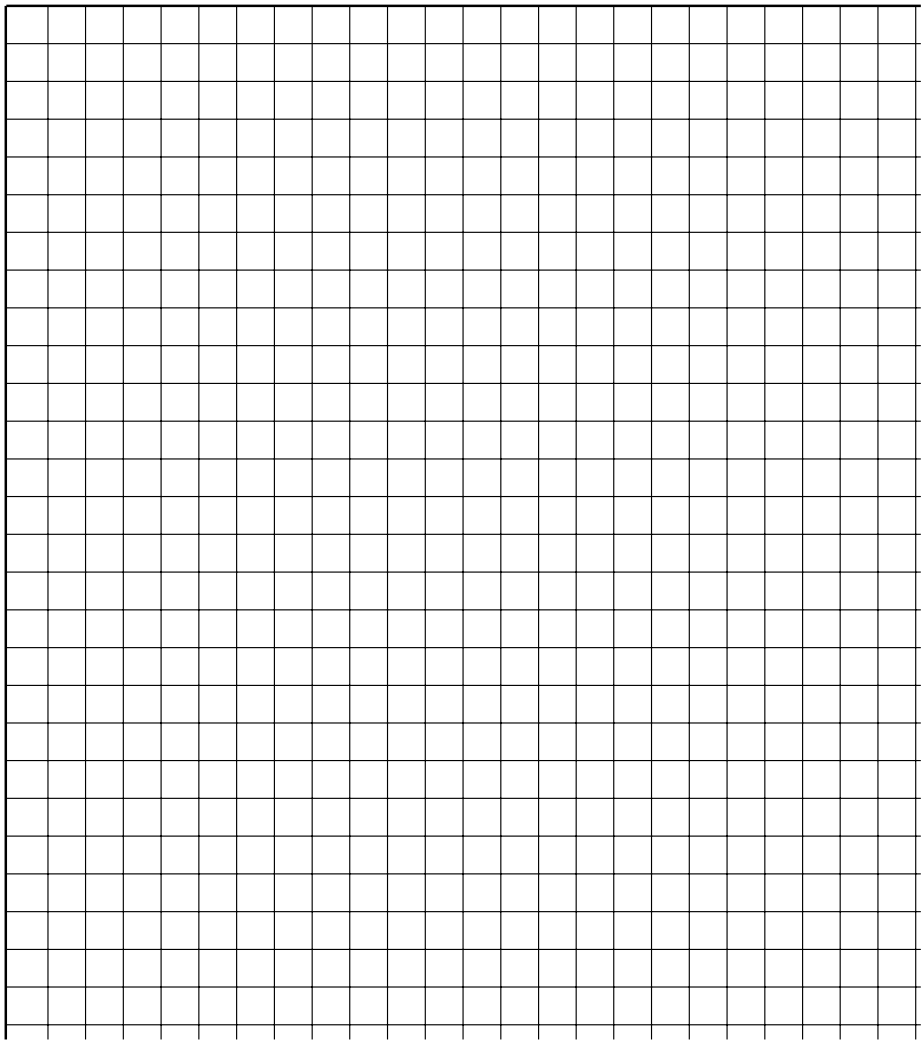
_____ x ..... = psi

(K) = ICP - FCP = ... - ..... = ... psi

$\frac{\text{(K) x 100}}{\text{(E)}}$ = $\frac{\text{X 100}}{\text{\_\_\_\_\_}}$ = $\frac{\text{psi}}{\text{100 strokes}}$

STROKES	PRESSURE [psi]

STATIC & DYNAMIC DRILL PIPE PRESSURE [psi] ↑



STROKES →