

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

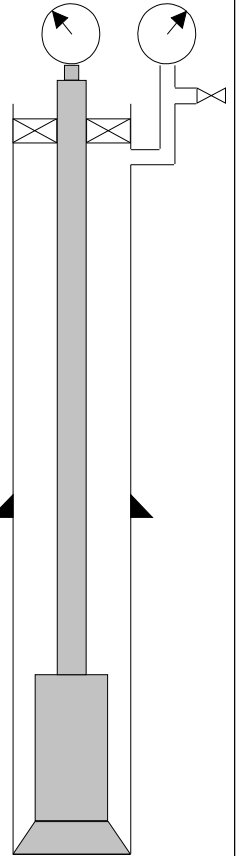
T.V. DEPTH feet

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 PRESSURE LOSS [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 STROKES
HEAVY WALL DRILL PIPE	x	=	+	PUMP DISPLACEMENT	SLOW PUMP RATE
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	

