



201 Energy Parkway, Suite 240  
 Lafayette, LA 70508  
 ph 337.235.4493 fax 337.235.4494  
 800.492.9355

## WELL CONTROL KILL SHEET

### (A) WELL INFO:

Original Mud Weight  ppg  
 Total Vertical Depth (TVD)  ft  
 Slow Pump Pressure  psi  
 Slow Pump Speed  spm  
 Surface to Bit Strokes  stks

### (B) KICK DATA:

Shut-In Drillpipe Pressure (SIDP)  psi  
 Shut-In Casing Pressure (SICP)  psi  
 Pit Gain  bbls

### (C) CALCULATIONS:

**Kill Weight Mud (KWM)**  ppg  
 $KWM = (SIDP \div TVD \div .052) + \text{Original Mud Weight}$   
 $KWM = ( \text{---} \div \text{---} \div .052 ) + \text{---}$   
**Initial Circulation Pressure (ICP)**  psi  
 $ICP = \text{Slow Pump Pressure} + SIDP$   
 $ICP = \text{---} + \text{---}$   
**Final Circulating Pressure (FCP)**  psi  
 $FCP = \text{Slow Pump Pressure} \times KWM \div OMW$   
 $FCP = \text{---} \times \text{---} \div \text{---}$

### (D) WAIT & WEIGHT PROCEDURE

1. Raise mud weight in suction pit to Kill Weight Mud Value
2. Monitor Shut-in Pressures for possible Gas Migration. Maintain drillpipe pressure constant at original Shut-in Value if necessary.
3. When KWM is ready, bring pump on line according to Pump Start Up Procedure.
4. Maintain constant pump speed during kill and adjust choke as needed to control drillpipe pressure as shown in Schedule.
5. Follow Drillpipe Pressure Circulating Schedule until Kill Weight Mud returns to surface.

### (E) DRILLPIPE PRESSURE CIRCULATING SCHEDULE

STROKES	PRESSURE
0	
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	

Stks to Bit ICP FCP

### INSTRUCTIONS:

Write in ICP, FCP, and Stks to Bit in spaces indicated by schedule.

1. Calculate Strokes per Increment:

Stks to Bit ÷ 10 = \_\_\_\_\_ Stks

Add these stks to each increment until Stks to Bit is reached.

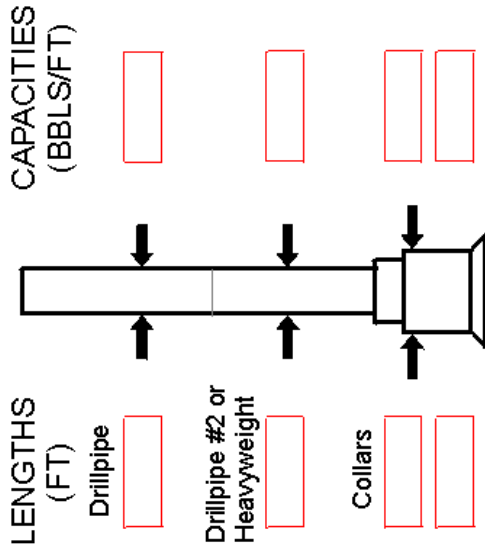
2. Calculate DP pressure reduction per Increment

$(ICP - FCP) \div 10 = \text{---} \text{ psi}$

From ICP subtract this pressure reduction from each increment until FCP is reached.



**PRE-RECORDED  
DRILLSTRING INFO**



**DRILLSTRING VOLUME (BBLS)**

Length (ft) x Capacity (bb/ft) = Vol. (bbbls)

(1)  X  =

(2)  X  =

(3)  X  =

(4)  X  =

Add 1+2+3+4 for  
Total Drillstring Volume

**ANNULAR VOLUME (BBLS)**

Length (ft) x Capacity (bb/ft) = Vol. (bbbls)

(1) Casing by Drillstring

X  =

X  =

X  =

X  =

(2) Open Hole by Drillstring

X  =

X  =

X  =

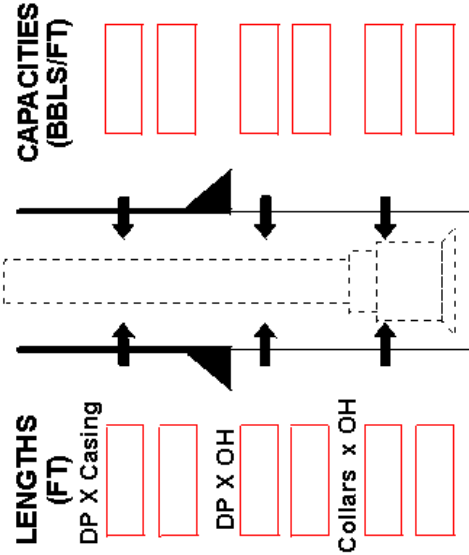
X  =

(3) Choke Line Volume (subsea only)

X  =

Add 1 + 2 + 3 for  
Total Annular Volume

**PRE-RECORDED  
ANNULUS INFO**



**PUMP OUTPUT AND  
TOTAL STROKES TO KILL WELL**

Pump Output (bbbls/stk) =

(1) Surface to bit strokes  ÷  =  Pump Output  
Drillstring volume

(2) Bottoms Up Strokes  ÷  =  Pump Output  
Annular volume

Add 1 + 2 for  
Total Circulation for Well Kill  Total Strokes

**PUMP START-UP  
PROCEDURES**

**SURFACE STACKS:**

- (1) As Driller brings pump on line; adjust choke as necessary to maintain casing pressure constant at SICP value until kill speed is reached.
- (2) Driller should take at least a full minute to bring pump up to kill speed.
- (3) When pressure gages stabilize, read correct ICP from drillpipe gage, if necessary, correct Drillpipe Pressure Circulating Schedule.

**SUBSEA STACKS:**

CHOKELINE FRICTION =  psi

- (1) As Driller brings pump on line; adjust choke as necessary to maintain kill line pressure constant at shut-in value until kill speed is reached.
- If kill line pressure not available, reduce casing pressure by the choke line friction as the pump is coming up to kill speed.
- (2) Continue with steps (2) & (3) above.