

International Well Control Forum

Subsea BOP Kill Sheet - Vertical Well (Metric/Bar)

DATE : _____

NAME : _____

FORMATION STRENGTH DATA:

SURFACE LEAK -OFF PRESSURE FROM
FORMATION STRENGTH TEST bar

DRILLING FLUID DENS. AT TEST kg/l

MAX. ALLOWABLE DRILLING FLUID DENSITY =
(B) + $\frac{(A)}{\text{SHOE T.V. DEPTH} \times 0.0981}$ = (C) kg/l

INITIAL MAASP =

((C) - Current Density) x Shoe TVD x 0.0981
= bar

CURRENT WELL DATA:

SUBSEA BOP DATA:

MARINE RISER LENGTH m

CHOKELINE LENGTH m

DRILLING FLUID:

DENSITY kg/l

CASING SHOE DATA:

SIZE in

M. DEPTH m

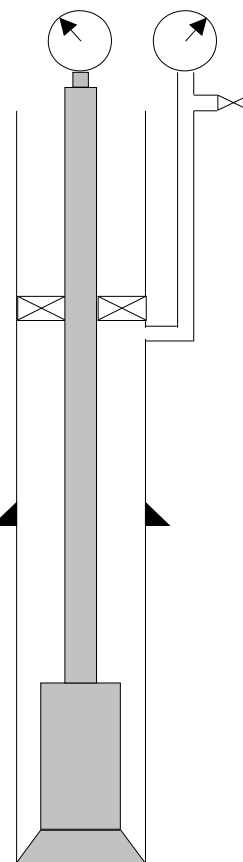
T.V. DEPTH m

HOLE DATA:

SIZE in

M. DEPTH m

T.V. DEPTH m



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

| SLOW PUMP RATE DATA: | (PL) DYNAMIC PRESSURE LOSS [bar] | | | | | |
|----------------------|----------------------------------|------------|----------------------------|------------|------------|----------------------------|
| | PUMP NO. 1 | | | PUMP NO. 2 | | |
| | Riser | Choke Line | <i>Choke Line Friction</i> | Riser | Choke Line | <i>Choke Line Friction</i> |
| SPM | | | | | | |
| SPM | | | | | | |

| PRE-RECORDED VOLUME DATA: | LENGTH m | CAPACITY l / m | VOLUME litres | PUMP STROKES stks | TIME minutes |
|---------------------------|-------------|-------------------|------------------|----------------------|-----------------|
|---------------------------|-------------|-------------------|------------------|----------------------|-----------------|

| | | | | | |
|----------------------|---|---|--|-----------------------------|--|
| DRILL PIPE | x | = | | VOLUME PUMP DISPLACEMENT | |
| HEVI WALL DRILL PIPE | x | = | | | |
| DRILL COLLAR | 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) | + | | min |
|-------------|---|--------------|---|--|-----|

| | | | | | |
|-----------|---|--------------|---|--|-----|
| CHOKELINE | x | = (H) | + | | min |
|-----------|---|--------------|---|--|-----|

| | | | | | |
|---------------------------------------|----------------------|---|--|------|-----|
| TOTAL ANNULUS/CHOKELINE VOLUME | (F+G+H) = (I) | l | | stks | min |
|---------------------------------------|----------------------|---|--|------|-----|

| | | | | | |
|---------------------------------|--------------------|---|--|------|-----|
| TOTAL WELL SYSTEM VOLUME | (D+I) = (J) | l | | stks | min |
|---------------------------------|--------------------|---|--|------|-----|

| | | | | | |
|-----------------------|------------|---|--|------|--|
| ACTIVE SURFACE VOLUME | (K) | l | | stks | |
|-----------------------|------------|---|--|------|--|

| | | | | | |
|----------------------------------|--------------|---|--|------|--|
| TOTAL ACTIVE FLUID SYSTEM | (J+K) | l | | stks | |
|----------------------------------|--------------|---|--|------|--|

| | | | | | |
|-------------------|---|---|--|--|------|
| MARINE RISER x DP | x | = | | | stks |
|-------------------|---|---|--|--|------|

