

**International Well Control Forum
Subsea BOP vertikale put kill sheet
(metrisch/bar eenheden – 0.0981)**

Datum: _____

Naam: _____

Formatiesterkte gegevens:

Oppervlakte 'Leak-Off' druk uit de formatie sterktetest

(A) bar

Vloeistofdichtheid tijdens test

(B) kg/l

Maximaal toegestane vloeistofdichtheid =

$(B) + \left(\frac{(A)}{\text{casing schoen TVD} \times 0.0981} \right) = (C) \text{ kg/l}$

Initiele MAASP =

$((C) - \text{huidige vloeistofdichtheid}) \times 0.0981 \times \text{casing schoen TVD} = \text{bar}$

Huidige putgegevens:

Subsea BOP gegevens

Marine riser m
lengte

Chokeleiding m
lengte

Huidige vloeistof:

Dichtheid kg/l

Casing schoen gegevens:

Maat in

MD m

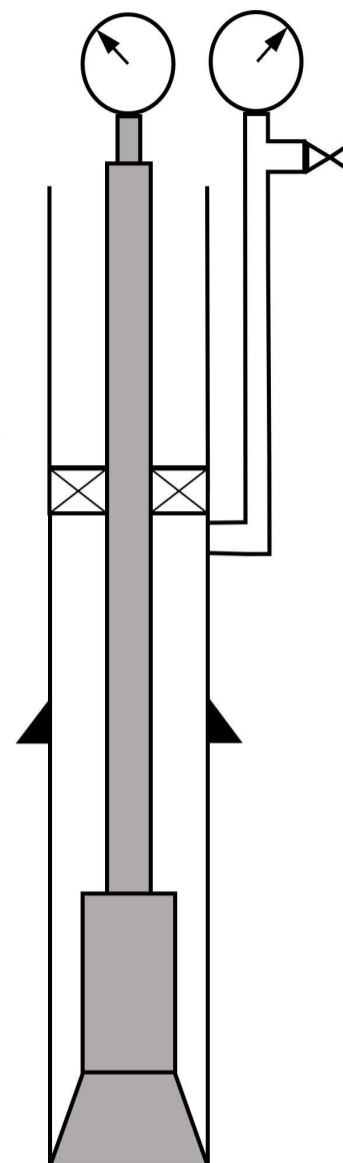
TVD m

Open gat gegevens:

Maat in

MD m

TVD m



| | |
|--------------------------|--------------------------|
| Pomp 1 slagvolume | Pomp 2 slagvolume |
| l/slagen | l/slagen |

| Doodpompsnelheid gegevens | Circulatie d ruk bij doodpompsnelheid (SCR) | | | | | |
|---------------------------|--|---------------|-----------------------|--------|---------------|-----------------------|
| | Pomp 1 | | | Pomp 2 | | |
| | Riser | Chokel eiding | Chokel eiding frictie | Riser | Chokel eiding | Chokel eiding frictie |
| SPM | | | | | | |
| SPM | | | | | | |

| | | | |
|----------------------------------|------------|----------|---------------|
| Oppervlakte leidingvolume | (D) | l | slagen |
|----------------------------------|------------|----------|---------------|

| Eerder gemeten volumegegevens | Lengte m | Capaciteit l/m | Volume l | Pomp slagen | Tijd minutes |
|-------------------------------------|----------|----------------|----------|--|---|
| Boorpijp (DP) | x | = | | $\frac{\text{volume}}{\text{pomp slagvolume}}$ | $\frac{\text{pompslagen}}{\text{doodpompsnelheid}}$ |
| Heavy weight boorpijp (HWDP) | x | = | + | | |
| Drill collars (DC) | x | = | + | | |

| | | | | | |
|--------------------------|------------|----------|------------|---------------|------------|
| Boorstring volume | (E) | l | (F) | slagen | min |
|--------------------------|------------|----------|------------|---------------|------------|

| | | | | | |
|---------------------------|---|---|---|--|--|
| DC x open gat | x | = | | | |
| DP/HWDP x open gat | x | = | + | | |

| | | | | | |
|------------------------|------------|----------|---------------|---------------|------------|
| Open gat volume | (G) | l | slagen | min | |
| DP x casing | (H) | x = | + | slagen | min |
| Chokeleiding | (I) | x = | + | slagen | min |

| | | | | |
|---|------------------------------|----------|---------------|------------|
| Totale annulus/chokeleiding volume | (G) + (H) + (I) = (J) | l | slagen | min |
|---|------------------------------|----------|---------------|------------|

| | | | | |
|---------------------------------|------------------------|----------|---------------|------------|
| Totaal putsysteem volume | (E) + (J) = (K) | l | slagen | min |
|---------------------------------|------------------------|----------|---------------|------------|

| | | | | |
|-----------------------------------|------------------------|----------|---------------|--|
| Actieve tank volume | (L) | l | slagen | |
| Totaal actieve tank volume | (D) + (K) + (L) | l | slagen | |

| | | | | | |
|--------------------------|---|---|----------|---------------|------------|
| Marine riser x DP | x | = | l | slagen | min |
|--------------------------|---|---|----------|---------------|------------|

