### FORMATION STRENGTH DATA:

Surface Leak-Off Pressure from Formation Strength Test:

- **(A)** bar

Drilling Fluid Dens. at Test:

- **(B)** kg/l

Max. Allowable Drilling Fluid Density =

\[
\frac{(B) \times 10.2}{\text{Shoe T.V. Depth}} = (C) \quad \text{kg/l}
\]

Initial MAASP =

\[
\frac{((C) - \text{Current Density}) \times \text{Shoe TVD}}{10.2} = \text{bar}
\]

### CURRENT WELL DATA:

#### SUBSEA BOP DATA:

- Marine Riser Length: m
- Choke Line 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

#### SLOW PUMP RATE DATA:

<table>
<thead>
<tr>
<th>PUMP NO. 1 DISPL.</th>
<th>PUMP NO. 2 DISPL.</th>
</tr>
</thead>
<tbody>
<tr>
<td>l / stroke</td>
<td>l / stroke</td>
</tr>
</tbody>
</table>

#### (PL) DYNAMIC PRESSURE LOSS [bar]

<table>
<thead>
<tr>
<th>SLOW PUMP RATE DATA:</th>
<th>(A)</th>
<th>(B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riser</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choke Line Friction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### PRE-RECORDED VOLUME DATA:

- Length: m
- Capacity: l/m
- Volume: litres

#### PUMP STROKES:

- Pump No. 1: stks
- Pump No. 2: stks

#### TIME:

- Time: minutes

#### MARINE RISER DATA:

- Length: m
- Choke Line Length: m

#### DP x CASING:

- Length: m

#### CHOKELINE:

- Length: m

#### TOTAL ANNULUS/CHOKELINE VOLUME:

\[
(F+G+H) = (I) \quad \text{l}
\]

#### TOTAL WELL SYSTEM VOLUME:

\[
(D+I) = (J) \quad \text{l}
\]

#### ACTIVE SURFACE VOLUME:

- (K) l

#### TOTAL ACTIVE FLUID SYSTEM:

- (J+K) l

### MARINE RISER x DP

\[
x = \text{l}
\]

---

**Note:**

Dr No SSV 01/01  
(BAR-102)  
27-01-2000
KICK DATA:  
SIDPP  bar  SICP  bar  PIT GAIN  litres

KILL FLUID DENSITY  
KMD  
CURRENT DRILLING FLUID DENSITY  +  SIDPP  x 10.2  TVD  
kg/l

INITIAL CIRCULATING PRESSURE  
ICP  
DYNAMIC PRESSURE LOSS  +  SIDPP  
bar

FINAL CIRCULATING PRESSURE  
FCP  
KILL FLUID DENSITY  x  DYNAMIC PRESSURE LOSS  
bar

(L)  =  ICP  -  FCP  -  ............  -  ............  =  ............  bar

(INITIAL DYNAMIC CASING PRESSURE AT KILL PUMP RATE  
SICP  -  CHOKE LINE FRICTION  -  ............  =  ............  bar

STROKES PRESSURE  
[bar]

STATIC & DYNAMIC DRILL PIPE PRESSURE  
[bar]

Dr No SSV 01/02 (BAR-102) 27-01-2000