### FORMATION STRENGTH DATA:

**SURFACE LEAK-OFF PRESSURE FROM FORMATION STRENGTH TEST**

MUD WEIGHT AT TEST: (A) psi

MAXIMUM ALLOWABLE MUD WEIGHT = (B) + (A) pp

SHOE T.V. DEPTH x 0.052

INITIAL MAASP = (C) - CURRENT MUD WEIGHT) x SHOE T.V. DEPTH x 0.052

### CURRENT WELL DATA:

**CURRENT DRILLING MUD:**

WEIGHT: pp

### CASING SHOE DATA:

**SIZE:** inch

M. DEPTH: feet

T.V. DEPTH: feet

### HOLE DATA:

**SIZE:** inch

M. DEPTH: feet

T.V. DEPTH: feet

### SLOW PUMP RATE DATA:

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

(Pi) DYNAMIC PRESSURE LOSS [ps]

### PRE-RECORDED VOLUME DATA:

<table>
<thead>
<tr>
<th>DRILL PIPE</th>
<th>HEAVY WALL DRILL PIPE</th>
<th>DRILL COLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>x =</td>
<td></td>
<td>x =</td>
</tr>
</tbody>
</table>

### DRILL STRING VOLUME

DC x OPEN HOLE: 

DP / HWDP x OPEN HOLE: 

OPEN HOLE VOLUME: 

DP x CASING: 

TOTAL ANNULUS VOLUME: 

TOTAL WELL SYSTEM VOLUME: 

ACTIVE SURFACE VOLUME: 

TOTAL ACTIVE FLUID SYSTEM: 

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(Handwritten notes: Dr No SV 04/01 (Field Units) 27-01-2000)
KICK DATA:

- SIDPP: psi
- SICP: psi
- PIT GAIN: barrels

KILL MUD WEIGHT (KMW):

\[
\text{CURRENT MUD WEIGHT} + \frac{\text{SIDPP}}{\text{TVD} \times 0.052} \times 0.052 = \text{ppg}
\]

INITIAL CIRCULATING PRESSURE (ICP):

\[
\text{DYNAMIC PRESSURE LOSS} + \text{SIDPP} = \psi
\]

FINAL CIRCULATING PRESSURE (FCP):

\[
\text{KILL MUD WEIGHT} \times \text{DYNAMIC PRESSURE LOSS} = \psi
\]

\[
(K) = \text{ICP} - \text{FCP} = \psi
\]

\[
(E) = \frac{(K) \times 100}{100 \text{ strokes}} \times 100 = \psi
\]