**MISCELLANEOUS APPLICATION - OIL OR GAS WELL**

STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(in compliance with rules and regulations pursuant to ORS 520.)

### (1) Permittee Information
- **Name:** NW Natural
- **Mailing Address:** 220 NW Second Avenue
- **City/State/Zip:** Portland, OR 97209
- **Telephone:** (503) 226-4211
- **Fax:** (503) 220-2595
- **Email:** todd.thomas@nwnatural.com
- **Prepared by:** Todd Thomas
- **On Site Contact:** Ed Vadar
- **Phone (day):** (360) 269-2547
- **Phone (night):** (503) 728-9000

### (2) Well Information
- **Well Name:** CC 44-27-65
- **DOGAMI ID No.:** 966

### (3) Proposed Work
- Deepen: ☐
- Rework: ☐
- Abandon: ☑
- Other: ☐

### (4) Present Condition of Well

<table>
<thead>
<tr>
<th>Size of hole</th>
<th>Size of Casing</th>
<th>Weight in pounds per foot</th>
<th>Grade/Type</th>
<th>Depth</th>
<th>Cemented Interval</th>
<th>Perforations (number and depth)</th>
<th>Tubing detail (type and location)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 1/4&quot;</td>
<td>9 5/8&quot;</td>
<td>36#</td>
<td>J-55</td>
<td>460'</td>
<td>to surface</td>
<td>1699'-1703'</td>
<td></td>
</tr>
<tr>
<td>8 1/2&quot;</td>
<td>3 1/2&quot;</td>
<td>9.3#</td>
<td>J-55</td>
<td>2148'</td>
<td>to surface</td>
<td>1646'-1657'</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1716'-1719' (squeezed)</td>
<td></td>
</tr>
</tbody>
</table>

### (5) Wellhead Pressure (psi)
- 290 psi shut in surface pressure

### (6) Detailed account of proposed work. (For P&As, describe the abandonment and site reclamation plan.)

See Attached

### (7) P&A Design

<table>
<thead>
<tr>
<th>Type of Cement</th>
<th>Cement Additives Type</th>
<th>% by weight</th>
<th>Location of Plugs (Intervals)</th>
<th>Capacity of Plugging Interval</th>
<th>Volume of Cement</th>
<th>Excess Volume of Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland, Type</td>
<td>I-II</td>
<td>% by weight</td>
<td>1703 ft. .0087</td>
<td>bbls/ft. 1.48</td>
<td>bbls</td>
<td>5</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS APPLICATION - OIL OR GAS WELL.DOC**

**REV. 08/05/2003**