APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a $250 permit fee, a surety bond conditioned as provided by law, and evidence of mineral rights ownership or lease.) This application becomes a permit to drill when signed and dated by DOGAMI in box below.

In compliance with rules and regulations pursuant to ORS 520, application is hereby made for permit to drill (a gas well) (an oil well) to be known as: OM 122289 - 22-65 NW Natural

NW Natural Northwest Natural Gas Company

O&G Permit #: 529

API#: 36-009-00337

Company or Operator: NW Natural (Lease)

Well No.: OM 133365

Surveyed Coordinates (if directional, BHL & SHL):

Wildcat: Calvin Creek Reichhold Pool

County: Columbia

Elevation of ground above sea level: 875 feet.

We propose to use the following strings of casings and to land or cement them as herein indicated:

<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>Amount of Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-7/8&quot;</td>
<td>7&quot;</td>
<td>23#</td>
<td>K-55</td>
<td>400 feet</td>
<td>140 sx</td>
</tr>
<tr>
<td>6-1/4&quot;</td>
<td>4-1/2&quot;</td>
<td>10.5#</td>
<td>J-55</td>
<td>2300 feet</td>
<td>260 sx</td>
</tr>
</tbody>
</table>

Geologic Objectives: Clark and Wilson Sand

Proposed Depth: 2270' MD

Company/Operator: NW Natural

Note: (1) Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged comprehensive plan. (2) Permit expires one year from date of issue. (3) Land use approval must be obtained from the county or city in which the drilling takes place. (4) Unless specifically exempted, permittee is obligated to comply with all current applicable statutes and rules including those adopted