STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
910 State Office Building, Portland, Oregon 97201

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

In compliance with rules and regulations pursuant to ORS 520, application is hereby made for permit to drill:
(a gas well) to be known as Oregon Natural Gas Development
(Company or Operator) ONG
(Lease) ON 43B-10
(Well No.) 0-438-10

In SE 1 of Sec. 10, T. 6N, R. 5W, W.B&M Directional? No X Yes
Survey Coordinates: From S.E. corner, Section 10; north 2000' and west 900'
Wildcat: Mist (or) Field Name: Mist - Underground Storage County Columbia
Elevation of ground above sea level is 750 feet. All depth measurements are taken from
Kelly Bushing , which is 11.4 feet above ground.

Lessee (Mineral Owner): Oregon Natural Gas Development
Address: 220 N. W. Second Avenue Portland, Oregon 97209

Surface Owner: Longview Fibre Company
Address: P. O. Box 667 Longview, Washington 98630

Lessee: Oregon Natural Gas Development
Address: 220 N. W. Second Avenue Portland, Oregon 97209

We propose to use the following strings of casing 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>12½&quot;</td>
<td>8 5/8&quot;</td>
<td>32.0</td>
<td>K-55</td>
<td>450'</td>
<td>370 sx</td>
</tr>
<tr>
<td>7 7/8&quot;</td>
<td>5½&quot;</td>
<td>15.5</td>
<td>N-55</td>
<td>3,000'</td>
<td>500 sx</td>
</tr>
</tbody>
</table>

Geologic Objectives Clark and Wilson Sand
Proposed Depth 3,000'

Company/Operator Oregon Natural Gas Development

DOGAMI approved March 30, 1988

The July 1987 stipulations approved by the State Geologist are conditions of this permit. Notify DOGAMI to witness BOP test.

Signature

Position Field Operations Superintendent

Date 3/1/88

SEND WELL COMMUNICATION TO:

Name Todd Thomas
Address 220 N. W. Second Avenue
Portland, Oregon 97209
Phone 220-2573 (Day) 359-4956 (Night)

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 drill takes place. (4) Unless specifically exempted, permits are obligated to comply with all current applicable statutes and rules including those adopted after permit issuance.