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

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a $100 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) to be known as ATLANTIC RICHFIELD COLUMBIA COUNTY 34-28-65 (Company or operator) (Lease) (Well No.)

in SW 1/4 of Sec. 28, T. 6N, R. 5W W.B.M. Directional? No Yes X
Survey Coordinates: 2853' @ N88.5°W & 975' @ N11.5°E F/SE COR SECTION 28

Wildcat: YES (or) Field Name: MIST GAS FIELD County: COLUMBIA Elevation of ground above sea level is 733 feet. All depth measurements are taken from KELLY BUSHING, which is +10 above ground.

Lessor (Mineral Owner): COLUMBIA COUNTY
Address: COLUMBIA COUNTY COURTHOUSE, ST. HELENS, OR 97051
Surface Owner: LONGVIEW FIBRE COMPANY
Address: MAIN OFFICE AND MILLS, LONGVIEW, WA 98632
Lessee: ATLANTIC RICHFIELD COMPANY
Address: 4550 CALIFORNIA AVENUE, BAKERSFIELD, CA 93309

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>8-1/2&quot; 7&quot;</td>
<td></td>
<td>23</td>
<td>K-55/STC</td>
<td>450'</td>
<td>90 sx</td>
</tr>
<tr>
<td>6-1/4&quot; 3-1/2&quot;</td>
<td></td>
<td>9.3</td>
<td>J-55/EUE 8RD</td>
<td>1930'</td>
<td>420 sx</td>
</tr>
</tbody>
</table>

Geologic Objectives: CLARK AND WILSON SANDS AT 1530'
Proposed Depth: 1930'

ARCO OIL AND GAS COMPANY
Company/Operator: DIVISION OF ATLANTIC RICHFIELD COMPANY
Signature: [Signature]
Address: [Address]

DOGAMI Approved: April 17, 1989

The July 1987 stipulations approved by the State Geologist are conditions of this permit.

By: [Signature]

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 after permit issuance.

Form 1
(S-85)