

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) ~~(a gas well)~~ to be known as ARCO OIL AND GAS COMPANY -- Oregon 34-25-66  
 (Company or operator) (Lease) (Well No.)

in SE 1/4 of Sec. 25, T. 6N, R. 6W W.B.M. Directional? No X Yes

Survey Coordinates: 2250'W and 312'N from the SE Corner of Section 25

Wildcat: Yes (or) Field Name: Mist County: Clatsop

Elevation of ground above sea level is 820 feet. All depth measurements are taken from KB  
 \_\_\_\_\_, which is +10' above ground.

Lessor (Mineral Owner): State of Oregon, Division of State Lands

Address: 1600 State Street, Salem, OR 97310

Surface Owner: State of Oregon, Department of Forestry

Address: Route 1, Box 950, Astoria, OR 97103

Lessee: ARCO OIL AND GAS COMPANY

Address: P. O. Box 147, Bakersfield, CA 93302 (4550 California Ave., Bakersfield, CA 93309)

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

| Size of hole | Size of casing | Weight in pounds per foot | Grade/Type | Depth | Amount of cement           |
|--------------|----------------|---------------------------|------------|-------|----------------------------|
| 12-1/4"      | 9-5/8"         | 36                        | K-55/ST&C  | 450'  | 250 sx                     |
| 8-1/2"       | 3-1/2"         | 9.3                       | J-55/EUE   | 2280' | 315 sx * cement to surface |
|              |                |                           |            |       |                            |
|              |                |                           |            |       |                            |
|              |                |                           |            |       |                            |

\* cement to surface  
 Rich. Wats  
 8-8-89

Geologic Objectives Clark & Wilson @ 1790' TVD

Proposed Depth 2280' ARCO OIL AND GAS COMPANY  
 Company/Operator Division of Atlantic Richfield

Signature Kwaug U. Park 7-28-89  
 5/15 7-28-89

Position District Drilling Superintendent  
 Date July 28, 1989

SEND WELL COMMUNICATION TO:

Name Kwaug U. Park

Address P. O. Box 147

Bakersfield, CA 93302

Phone (805) 321-4060 (Day) (805) 834-4826 (Night)

DOGAMI Approved August 28, 1989  
 The July 1987 stipulations approved by the State Geologist are conditions of this permit. The attached Special Stipulations also apply to this permit.  
 By Dan E. Wermiel  
 Dan Wermiel, Petroleum Geologist

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.