

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(supported by a \$100 permit fee, a surety bond conditioned as provided by law, and evidence of mineral ownership or lease.) This application becomes a permit to drill when signed and dated by DOGAMI in box _____.

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 ARCO Oil & Gas Company Cahill 12-24-66
 (an oil well) (Company or operator) (Lease) (Well No.)
 in NW 1/4 of Sec. 24, T. 6N, R. 6W M.B.M. Directional? No Yes X
 Survey Coordinates: 650' FWL 2130' FNL

Wildcat: Yes (or) Field Name: _____ County: Clatsop
 Elevation of ground above sea level is 500 feet. All depth measurements are taken from _____
Kelly Bushing, which is ± 10' above ground.

Lessor (Mineral Owner): John Cahill, James M. Cahill, Idel I. Cahill

Address: Rt. 1, Birkenfeld, OR 97106

Surface Owner: John Cahill, James M. Cahill, Idel I. Cahill

Address: Rt. 1, Birkenfeld, OR 97106

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:

| 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/BTC | 450 | 250 sx |
| 6-1/4 | 3-1/2 | 9.3 | J-55/EUE | 2800 | 360 sx |
| | | | | | |
| | | | | | |

Geologic Objectives Clark and Wilson @ 2,450'

Proposed Depth 3,150'

Company/Operator ARCO Oil & Gas Company
Division of Atlantic Richfield

Signature Kwang U. Park

Position District Drilling Superintendent

Date August 2, 1988

SEND WELL COMMUNICATION TO:

Name Kwang U. Park

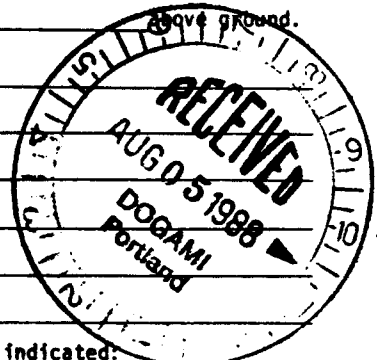
Address P.O. Box 147

Bakersfield, CA 93302

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

DOGAMI Approved _____, 19 _____

By _____



SCANNED

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.