

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

O&G #: 432
 API #: 36-009-00261

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)
 (an oil well) to be known as ARCO OIL & GAS COMPANY COLUMBIA COUNTY #34-8-75
 (Company or operator) (Lease) (Well No.)

in SE 1/4 of Sec. 8, T. 7N, R. 5W W.B.M. Directional? No Yes X

Survey Coordinates: 1974'W & 1412'N f/SE Corner Section 8

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

Elevation of ground above sea level is 680 feet. All depth measurements are taken from KB
 _____, which is +10' above ground.

Lessor (Mineral Owner): Columbia County Land Development Services

Address: Courthouse, St. Helens, Oregon 97051

Surface Owner: Claruth-Franbea-Willna, Inc.

Address: c/o Evenson Timberland Agency, P. O. Box 127, Clatskanie, OR 97016

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/STC	450'	250 sx
6-1/4"	3-1/2"	9.3	J-55/EUE	2760'	375 sx

Geologic Objectives Clark & Wilson @ 2450' TVD

Proposed Depth 2760' ARCO OIL AND GAS COMPANY
 Company/Operator Division of Atlantic Richfield

SLQ
RK 6/29/89 6/29/89
 Signature Kwang U. Park

DOGAMI Approved July 25, 1989

Position District Drilling Superintendent
 Date June 29, 1989

The July 1987 stipulations approved by the State Geologist are conditions of this permit. Notify DOGAMI to witness BOP test.
 By Dennis L. Olmstead
 Dennis L. Olmstead, Petroleum Engineer

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)

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.