

STATE OF OREGON  
 DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRY  
 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)  
 (an oil well) to be known as Atlantic Richfield Company Columbia County 14-23  
 (Company or operator) (Lease) (Well No.)

in SW 1/4 of Sec. 23, T. 6N, R. 5W W.B.&M. Directional? No X Yes

Survey Coordinates: 1000'E & 300'N of SW corner, Sec. 23, T6N, R5W, W.M. LOCATION MOVED.

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

Elevation of ground above sea level is 760 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

Surface Owner: LONGVIEW FIBRE

Address: P.O. Box 667, Longview, WA 98632

Lessee: ARCO

Address: P.O. Box 147, Bakersfield, CA 93302

RECEIVED - PTLD

MAY 5 1986

DEPT. OF GEOLOGY  
& MINERAL INDUSTRY

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	8 5/8	24	J-55	350	250sx
8 3/4	5 1/2	15.5	K-55	2,600	340sx

Geologic Objectives Clark & Wilson Sand at ± 1460

Proposed Depth ± 2200'

Company/Operator ARCO Oil and Gas Company

Signature Frank E. Holmes

Position Frank Holmes - Attorney-in-Fact

Date 5/2/86

SEND WELL COMMUNICATION TO:

Name ARCO

Address P.O. Box 147

Bakersfield, CA 93302

Phone 805 833-4257 (Day) (Night)

DOGAMI Approved MAY 7, 1986  
 PERMIT EXTENDED. NEW EXPIRATION DATE JULY 3, 1987.  
 By Dennis J. Okamoto

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.