

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 Company Columbia County #33-4-65  
 (an oil well) (Company or operator) (Lease) (Well No.)

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

Survey Coordinates: 1400' N & 1920' W of SE Corner

Wildcat: yes (or) Field Name: Mist Gas Field County: Columbia

Elevation of ground above sea level is ±850 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

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DEPT. OF GEOLOGY

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
8-1/2"	5-1/2"	17#	K-55 LTC	3000'	700 sx

Geologic Objectives Clark and Wilson at 2560'

Proposed Depth 3000'

Company/Operator ARCO Oil and Gas Company  
Div. of Atlantic Richfield Co.

Signature Kwang U. Park Kwang U. Park

Position Dist. Drlg. Superintendent

Date April 27th, 1987

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 May 21, 1987  
 The July 1986 stipulations approved by the State Geologist are conditions of this permit. Notify DOGAMI to witness BOP test.  
 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.