

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  
 Atlantic Cavenham  
 (a gas well) to be known as Richfield Company Forest Industries #33-9  
 (an oil well) (Company or operator) (Lease) (Well No.)  
 NW 1/4 of  
 in SE 1/4 of Sec. 9, T. 5N, R. 4W W.B.&M. Directional? No Yes X  
 Survey Coordinates: 1400' N and 2400' W from SE Corner, Section 9 (BHL)  
 Wildcat: Yes (or) Field Name: Mist County: Columbia  
 Elevation of ground above sea level is 1165 feet. All depth measurements are taken from \_\_\_\_\_  
kelly bushing, which is ±10' above ground.

Lessor (Mineral Owner): Cavenham Forest Industries, Inc.  
 Address: 1500 SW First Avenue, Portland, OR 97201  
 Surface Owner: Cavenham Forest Industries, Inc.  
 Address: 1500 SW First Avenue, Portland, OR 97201  
 Lessee: Atlantic Richfield Company  
 Address: 4201 Stine Road, Bakersfield, CA 93309

RECEIVED - PTLD  
 JUL 15 1986  
 DEPT. OF GEOLOGY  
 MINERAL INDUSTRIES

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	400'	200 sacks
8-1/2"	5-1/2"	17#	K-55 LTC	3250'	720 sacks

Geologic Objectives Clark and Wilson at 2441' TVD

Proposed Depth 3250' TMD

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

Signature Kwang U. Park

Position District Drilling Superintendent

Date July 10<sup>th</sup>, 1986

SEND WELL COMMUNICATION TO:

Name Kwang U. Park

Address 4201 Stine Road

Bakersfield, CA 93309

Phone 805-833-4060 (Day) 805-834-4826 (Night)

DOGAMI Approved July 13, 19 86  
 Revised permit 348 to new surface location: From S 1/4 corner 1697'N, 53'E  
 By Dennis I. Olmstead  
 Dennis Olmstead, Petroleum Engineer

RBS 7/9/86

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.