

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 Benson 14-7-64
 (an oil well) (Company or operator) (Lease) (Well No.)

in SW 1/4 of Sec. 7 T. 6N, R. 4W W.B.&M. Directional? No Yes X

Survey Coordinates: 308' 1069' E and 1081' N from the SW Corner of Sec. 7 DHL: 624 N and 665 E
589' S and 527' E of
comp. sec. Columbia
 County: Columbia

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

Elevation of ground above sea level is 865 feet. All depth measurements are taken from 798.7' S 41' 50" E of comp. sec.

Kelly Bushing, which is ±10' above ground.

Lessor (Mineral Owner): Benson Timber Company

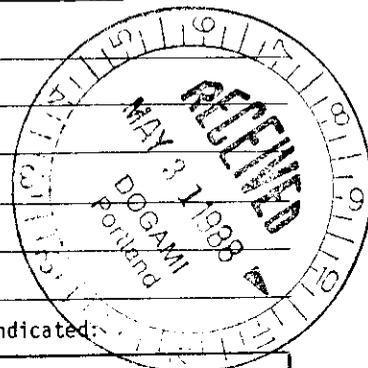
Address: P.O. Box 127 Clatskanie, OR 97016

Surface Owner: Benson Timber Company

Address: P.O. Box 127 Clatskanie, OR 97016

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
14-3/4"	10-3/4"	40.5#	K-55 PE	30'	Conductor
9-7/8"	7"	23#	K-55 STC	450'	105 sx
6-1/4"	3-1/2"	9.2#	K-55 EUE	2175'	277 sx

Geologic Objectives Clark and Wilson Sands @ 1795' TVD.

Proposed Depth 2175' TVD

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

Signature Kwang U. Park

Position District Drilling Superintendent

Date May 23, 1988

SEND WELL COMMUNICATION TO:

Name Kwang U. Park RBS 5/20/88

Address P.O. Box 147

Bakersfield, CA 93302

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

DOGAMI Approved June 30, 1988

The July 1987 stipulations approved by the State Geologist are conditions of this permit.

By Dennis L. Olmstead
Dennis L. Olmstead, Petroleum Engineer

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.