

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

in SW 1/4 of Sec. 23, T. 6N, R. 5W W.B.&M. Directional? No Yes
Survey Coordinates: 1100' E & 288' N of SW Corner, Sec. 23, T6N, R5W, W.M. BOTTOM HOLE LOC.

Wildcat: (or) Field Name: Mist County: Columbia
Elevation of ground above sea level is 645 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 Company
Address: P. O. Box 667, Longview, WA 98632
Lessee: Atlantic Richfield Company
Address: P. O. Box 147, Bakersfield, CA 93302

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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	450	225 sacks
8-1/2	5-1/2	17	K-55	2450	505 sacks

Geologic Objectives Clark & Wilson Sand at + 1460
Proposed Depth + 2200 TVD (2450' TMD)

Company/Operator Atlantic Richfield Company
Signature Frank E. Holmes
Position Frank E. Holmes - Attorney-in-Fact
Date 6-5-86

DOGAMI Approved JUNE 19, 1986
By Dennis Z. Demskid

SEND WELL COMMUNICATION TO:
Name Atlantic Richfield Company
Address P. O. Box 147
Bakersfield, CA 93302
Phone 805-833-4257 (Day) (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.