

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland, Oregon 97201

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NOV 15 1984

DEPT OF GEOLOGY
AMT 101

APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a \$100 permit fee for new wells only and a surety bond conditioned as provided by law.)

_____, Oregon _____ 19__

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 OL 1977) application is hereby made for permit to drill a (new well) ~~(stratigraphic hole)~~ to be known as ARCO Banzer
(company or operator) (lease)

Well No. 34-16 in S/SE of Sec. 16, T. 6N, R. 5W W.B.&M,
Mist Gas Columbia County.

Survey Coordinates: 1051 80' N of South Line, 1956 1976 West of East Line,
Section 16, T6N, R5W (Bottom Hole: 1165'N + 1956'W of SE corner, Sec. 16)

Elevation of ground above sea level is 569 feet. All depth measurements are taken from top of K.B., which is ± 11' above ground.

Lessee: County of Columbia Courthouse

Address: 1st Street, St. Helens, Oregon 97051

Lessor: Atlantic Richfield Company

Address: Post Office Box 5540, Denver, Colorado 80217

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 and type	New or second hand	Depth	Landed or cemented No. sacks cement
-	13-3/8"	48#	H40, STC	New	50'	50
12 1/2"	9-5/8"	36#	J55, LTC	New	400'	200
8-3/4"	5 1/2"	14#	J55, LTC	New	3734'	600

Proposed Depth: 3500' TVD, 3831' MD Objectives: Clark & Wilson from 1612' TVD to 2219' TVD, Clatskanie Sand at 2700' TVD.

Atlantic Richfield Company

company or operator

By D. J. Ruckel
Position District Drilling Superintendent

Send communications regarding well to:
Name ARCO Oil and Gas Company
Attn: Drilling Department
Address Post Office Box 147
Sakersfield, California 93302

Approved December 6, 19 84
except as follows:
The January 1984 stipulations approved by the State Geologist are conditions of this permit.
DEPT. OF GEOLOGY & MINERAL INDUSTRY
By _____
Petroleum Geologist

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling takes place, and provided these authorities make a determination of compliance with statewide goals.

NOTE: Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged comprehensive plan. Permit expires one year from date of issue.