

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

REVISED
 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.)

Mist, Oregon 2-26 1985

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 34-16
(company or operator) (lease)
 Well No. 34-16 in SW 1/4 of Sec. 16, T. 6N, R. 5W W.B.&M.
Mist Gas Field, Columbia County.

Survey Coordinates: SHL: 105' N & 1996' W of SE Corner, Sec 16, T6N, R5W

Approximate BHL: 1683' N & 1996' W of SE Corner, Sec 16, T6N, R5W

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

Lessee: Joseph Banzer
 Address: Banzer Road, Mist, Oregon
 Lessor: Atlantic Richfield Company
 Address: P. O. Box 5540, Denver, CO 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
--	16"	48	H-40, STC	New	20'	20
12-1/4"	9-5/8"	36	K-55, STC	New	1000'	545
8-3/4"	5-1/2"	17	K-55, LTC	New	4837'	1600

kick-off @ 750' ±, max & 25°

Proposed Depth: 4837' MD, 4500' TVD Objectives: Clark & Wilson Sand at ±1619', Clatskanie Sand at ±4000' TVD

ARCO Exploration Company, Div. of
 Atlantic Richfield Company

company or operator

By Douglas J. Ruckel
 Position District Drilling Superintendent

Send communications regarding well to:
 Name ARCO Oil and Gas Company
 Address P. O. Box 147, Bakersfield, CA 93302
 ATTN: D. J. Ruckel

Approved APR 6 1985, 1985
 except as follows:
 NONE
 DEPT. OF GEOLOGY & MINERAL INDUSTRY
 By Director Director

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 state and local laws.