

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

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.)

Douglas County, Oregon July 16, 1984

**CONFIDENTIAL**

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 GL 1977) application is hereby made for permit to drill a (new well) (stratigraphic hole) to be known as Amoco Production Company's Weyerhaeuser (company or operator) (lease)  
 Well No. 1-13 in SW/4 of Sec. 13, T. 25S, R. 9W W.B.&M,  
Wildcat Field, Douglas County.  
 Survey Coordinates: 2859' FEL X 811' FSL

Elevation of ground above sea level is 1424 feet. All depth measurements are taken from top of Kelly Bushing, which is 16 above ground.

Lessee: Amoco Production Company  
 Address: Amoco Building, 1670 Broadway, Denver, CO 80202  
 Lessor: Weyerhaeuser Company (also surface owner)  
 Address: P.O. Box C, Tecoma, WA 98477

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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 and type	New or second hand	Depth	Landed or cemented No. sacks cement
drive	30"	157.53	Grade B	New	120'	120'
26"	20"	94	K-55, ST & C	New	1000'	700 SX
17-1/2"	13-3/8"	54.6 & 61	S-80, K-55, ST&C	New	5000'	1500 SX
12-1/4"	9-5/8"	43.5, 47, 53.5	N-80, S-95, LT&C	New	8000'	1450 SX
8-1/2"	7"	29, 32, 35	N-80, S-105, LT&C	New	7800' 13500'	600 SX

Proposed Depth: 13,500 Objectives: To test hydrocarbon potential in deep Eocene formations of Tye Basin

Approved August 21, 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 [Signature]  
Petroleum Engineer

Amoco Production Company  
 company or operator  
 By BDS Shaw  
 Position Administrative Supervisor  
 Send communications regarding well to:  
 Name Amoco Production Company 505-325-8841  
 Address 501 Airport Drive  
Farmington, NM 87401

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