

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1000 State Office Building Portland, Oregon 97201

APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS WELL OR EXPLORATION WELL

(This is accompanied by a \$100 permit fee for new wells only and a safety bond as provided by law.)

Portland, Oregon 12-30 1980

In compliance with rules and regulations pursuant to ORS 520 (Chapter 196 of 1977) application is hereby made

for permit to drill a new well (exploration well) to be known as Diamond Shamrock Corp. Boise Cascade
(company or operator) (lease)

Well No. B. C. 11-14 NW/NW of Sec. 14, T. 7N, R. 7W, S. 14,
Wildcat Field, Clatsop County.

Survey Coordinates: 722' FNL, 1,370' FNL

Elevation of ground above sea level is 572.8 feet. All depth measurements are taken from top
of Kelly Bushing, which is 9' above ground.

Lessee: Diamond Shamrock Corporation
Address: 410 17th. St., Suite 600, Denver, Colorado 80202
Lessor: Boise Cascade
Address: 221 College St. N. E., Olympia, Washington 98506

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 3/4"	9 5/8"	36#	K-55	New	1,000'	Circulate to surface estimate 400 sxs.
8 3/4"	5 1/2"	15.5#	K-55	New	6,600'	Estimate
8 3/4"	5 1/2"	17#	K-55	New	1,000'	360 sxs.

Proposed Depth: 7,600' Objectives: C & N sand of the Cowlitz Formation

Diamond Shamrock Corporation

company or operator

By James M. Pachelsh
Position Safety & Environmental Engineer

Send communications regarding well to:
Name John Schmid c/o Diamond Shamrock Corp.
Address 410 17th. St., Suite 600
Denver, Colorado 80202

Approved February 13, 1981
except as follows: The October 1
1980 stipulations approved
by the Governing Board of the
Department will be made a
condition of this permit.

DEPT. OF GEOLOGY & MINERAL INDUSTRY
By David A. Blum Director
Petroleum Engineer

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling