

APPLICATION FOR PERMIT TO DRILL NEW 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.)

Bakersfield, Calif. Oregon August 8 19 75

Department of Geology and Mineral Industries  
Portland, Oregon

In compliance with rules and regulations pursuant to ORS 520 (Chapter 667 OL 1953) application is hereby made for permit to drill

a (new well ) to be known as Reichhold Energy Corporation Crown Zellerbach  
(stratigraphic-hole) COMPANY OR OPERATOR LEASE

Well No. C-Z No. 2 in SW/4 NW/4 of Sec. 8, T. 4N, R. 3W W. B. & M.,  
Field, Columbia County.

This well is 2600 feet (N)(S) of the North line and 300 feet  
(E)(W) of the West line of Sec. 8

(Give location from section or other legal subdivision lines or corners. Cross out wrong directions)

Elevation of ground above sea level is 670 feet. All depth measurements are taken from  
top of KB, which is 14 feet above ground.

The lessee is Reichhold Energy Corporation

Address P. O. Box 1482, Tacoma, Washington 98401

The lessor is Crown Zellerbach Corporation

LOCATE WELL CORRECTLY Address 1 Bush Street, San Francisco, Calif.

We estimate that the first productive oil or gas sand should occur at a depth of about 2000 feet.  
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	N	400	273 cu.ft.
8 3/4	4 1/2	11.6	K	N	3800	500 cu.ft.

We propose to drill with rotary tools

If changes in the above plan become advisable we will notify you before cementing or landing casing.

Additional information including names of and expected depths to objective sands (Use additional sheets as needed):

Upper Cowlitz Sands 2000-2200'  
Lower Cowlitz Sands 3100-3700'

I understand that this plan of work must receive approval in writing by the Director of the State Department of Geology and Mineral Industries.

Approved September 15, 19 75  
except as follows: That the DEQ stipulations are made a part of this permit as per letter of September 2, 1975

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES  
By R. E. Connor Director

REICHHOLD ENERGY CORPORATION  
COMPANY OR OPERATOR

By W. S. [Signature]  
Position Engineer

Send communications regarding well to:  
Name Robert L. Beardsley  
Address P. O. Box 810  
St. Helens, Oregon 97051