

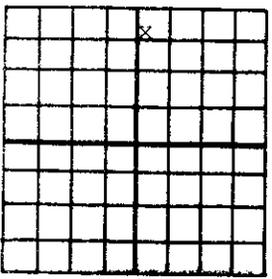
APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a \$100 permit fee for new wells only and a surety bond conditioned as provided by law.)

Bakersfield, California ~~Oregon~~ September 14 1977

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) ~~(stratigraphic hole)~~ to be known as: Reichhold Energy Corporation "DSC-COLUMBIA COUNTY"
Well No. 2 in NE/4 of Sec. 14, T. 6N, R. 5W W. B. & M.,
Field, Columbia County.



Section of land
Area 640 acres

This well is 1450 feet (~~N~~) (S) of the North line and 2400 feet
(~~E~~) (W) of the East line of Section 14
(Give location from section or other legal subdivision lines or corners. Cross out wrong directions)

Elevation of ground above sea level is 630 ^{Topo} feet. All depth measurements are taken from
top of KB, which is 10 feet above ground.

The lessee is Reichhold Energy Corporation 327
Address P.O. Box 1842, Tacoma, Washington 98401

The lessor is Columbia County 280
Address St. Helens, Oregon 97501

LOCATE WELL CORRECTLY

We estimate that the first productive oil or gas sand should occur at a depth of about 2400 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
9-7/8"	7"	20	K	N	400	160 cu ft
6-1/4"	4-1/2"	11.6	K	N	2600	110 cu ft

We propose to drill with ~~rotary tools~~ rotary tools
~~rod~~ rod

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):

2nd C & W Sands 2400'

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 [Signature], 1977
except as follows:
DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
By [Signature] Director

Reichhold Energy Corporation
COMPANY OR OPERATOR
By [Signature]
Position Engineer
Send communications regarding well to:
Name R. L. Beardsley
Address P.O. Box 810
St. Helens, Oregon 97501