

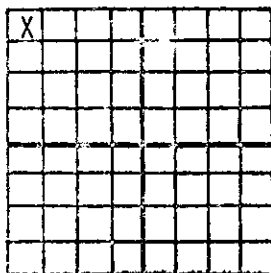
APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a \$100 permit fee for new wells only and a surety bond conditioned as provided by law.)

Bakersfield, CALIF. September 10, 1979

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 COLUMBIA COUNTY
Well No. 12 in NW/4 of Sec. 14, T. 6N, R. 5W W. 8. & M.,
MIST Field, COLUMBIA County.



Section of land
Area 640 acres

This well is 300 feet (~~E~~) (~~S~~) of the North line and 400 feet
(~~E~~) (~~S~~) of the West line of 14.

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

Elevation of ground above sea level is 800 feet. All depth measurements are taken from
top of KB, which is * feet above ground. * TO BE FURNISHED

The lessee is REICHHOLD ENERGY CORPORATION
Address P.O. BOX 810, ST. HELENS, OREGON 97501

The lessor is COLUMBIA COUNTY

LOCATE WELL CORRECTLY Address ST. HELENS, OREGON 97501

We estimate that the first productive oil or gas sand should occur at a depth of about 2,300 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	150 Sacks
6-1/4"	4-1/2	10.5	K	N	3,000	150 Sacks

We propose to drill with ~~rotary~~ 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):

Top C&W Sand 2,300'
Est. Total Depth 3,000'

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

REICHHOLD ENERGY CORPORATION

Approved October 17, 1979
except as follows: The February 27, 1979 stipulations approved by the Governing Board of the Department will be made a condition of this permit.
DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
PETROLEUM ENGINEER

By [Signature]
Position Engineer
Send communications regarding well to:
Name P. L. Beardsley
Address P.O. Box 810
St. Helens, Oregon 97501