

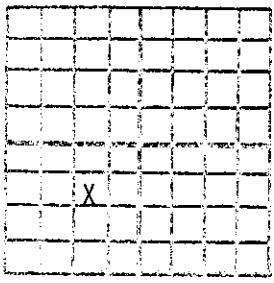
APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC HOLE  
(To be accompanied by a \$100 permit fee for new wells only and a surety bond conditioned as provided by law.)

Bakersfield Calif. August 6, 19 79

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. 10 in SW/4 of Sec. 3, T. 6N, R. 5W W. 3. 6 14.  
MIST Field, COLUMBIA County.



Section of land  
Area 640 acres

This well is 1800 feet (N) (S) of the SOUTH line and 1300 feet (E) (W) of the WEST line of Sec. 3

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

Elevation of ground above sea level is 1000 feet. All depth measurements are taken from top of KB, which is 11.6 feet above ground.

The lessee is Reichhold Energy Corporation 240

Address P.O. Box 810, St. Helens, Oregon 97501

The lessor is Columbia County 286

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 2900 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-Sm1s	N	400	150
6-1/4"	4-1/2"	10.5	K-Sm1s	N	3,600	200

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 2,900'  
EST. TOTAL DEPTH 3,600'

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 9, 1979  
except as follows:  
  
DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

REICHHOLD ENERGY CORPORATION 240  
By W.S. [Signature]  
Position Engineer  
Send communications regarding well to:  
Name R. L. Beardsley  
Address P.O. Box 810  
St. Helens, Oregon 97501