

JUL 22 1980

DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building,

Portland, Oregon

API No. 009-00074  
Oil and Gas 158

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

Bakersfield, Calif. July 17, 1980

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

to be known as Reichhold Energy Corporation Columbia County  
~~XXXXXXXXXXXX~~ COMPANY OR OPERATOR LEASE  
14-2 in SW/4 of Sec. 2, T. 6N, R. 5W W. B. & M.,  
Mist Field, Columbia County.

This well is 500 feet (N) ~~(S)~~ of the South line and 500 feet  
(E) ~~(W)~~ of the West line of Section 2-6N-5W W.B.&M.

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

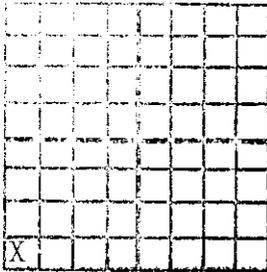
Elevation of ground above sea level is 1220 <sup>Topo</sup> feet. All depth measurements are taken from  
top of KB, which is 10.5 feet above ground.

The lessee is Reichhold Energy Corporation

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

The lessor is Crown Zellerbach Corporation

Address 1 Bush Street, San Francisco, CA.



Section of land  
Area 640 acres

LOCATE WELL CORRECTLY

We estimate that the first productive oil or gas sand should occur at a depth of about 3000 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	3600	200 sacks

We propose to drill with ~~XXXXX~~ <sup>rotary</sup> 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 3000.

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

By W.S. [Signature]

Position Engineer

Send communications regarding well to:

Name W. L. Covert

Address P.O. Box 810

St. Helens, Oregon

Approved August 22, 19 80  
The report 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  
by PETROLEUM ENGINEER Director