Form 1 1/54

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building, Portland 1, Oregon

Permit No. 182
API No. 009-00084

APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC HOLE

(To be accompanied by a $300 permit fee for new wells only and a surety bond conditioned as provided by law)

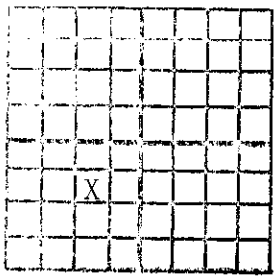
Bakersfield, Calif. ~~Oregon~~ February 5, 1981

The Department of Geology and Mineral Industries
Portland, Oregon

In accordance with rules and regulations pursuant to ORS 520 (Chapter 667 OL 1953) application is hereby made for permit to drill a ~~new well~~ ~~deepen hole~~ to be known as Reichhold Energy Corporation (COMPANY OR OPERATOR) Columbia County (LEASE)

Well No. 3-1 in SW/4 of Sec. 1, T. 6N, R. 5W W. M. or S. M.,

Mist Field, Columbia County.



Section of land
Area 640 acres

This well is ~~1500~~ 137 feet (N) (S) of the South line and ~~1500~~ 1250 feet (E) (W) of the West line of Section 1-6N-5W.

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

Elevation of ground above sea level is 1150 top feet. All depth measurements are taken from top of KB, which is 11.6 feet above ground.

The lessee is Reichhold Energy Corporation

Address P. O. Box 1482, Tacoma WA 98401

The lessor is Thomas H. Sweet

LOCATE WELL CORRECTLY

Address 923 North State Street, Weiser, ID

It is expected that the first productive oil or gas sand should occur at a depth of about 2800 feet.

It is proposed 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	3500	200 sacks

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

C & W sand 2800'

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

Approved April 10, 19 81

Exceptions as follows: The October 1980 stipulations approved by the Governing Board of the Department will be made a condition of this permit.

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

By Dennis Olmstead Director

Reichhold Energy Corporation (COMPANY OR OPERATOR)

By W. E. Covert

Position Engineer

Send communications regarding well to:

Name W. E. Covert

Address P. O. Box 810, St. Helens, OR 97051