

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland, Oregon 97201

APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS 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.)

Portland, Oregon Jan. 12 19 84

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 OR 1977) application is hereby made for permit to drill a (new well) to be known as REICHHOLD ENERGY CORPORATION Columbia County
Well No. 43-22 in SE/4 of Sec. 22, T. 6N, R. 5W W.B.M., Mist Field, Columbia County.

Survey Coordinates: 2100' N and 1700' W from the SE/4 corner
300'S, 950' W from E 1/4 CORNER

Elevation of ground above sea level is 720 feet. All depth measurements are taken from top of Kelly Bushing, which is 11.4 above ground.

Lessee: 171 ARCO EXPLORATION COMPANY
Address: P.O. Box 5540, Denver, Colorado 80217
Lessor: 284 COLUMBIA COUNTY
Address: County Courthouse, St. Helens, OR 97051

We propose to use the following strings of casing and to land or cement them as herein indicated:

Table with 7 columns: 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. Contains two rows of casing specifications.

Proposed Depth: 4000' Objectives: Clark and Wilson Sands
Clatskanie Sands

Approved February 7, 19 84
except as follows: The January 1983 stipulations approved by the Governing Board of this Department are conditions of this permit.
DEPT. OF GEOLOGY & MINERAL INDUSTRY
By Dennis J. Newstead Petroleum Engineer

240 REICHHOLD ENERGY CORPORATION
company or operator
By [Signature]
Position N.W. District Geologist and Manager
Send communications regarding well to:
Name Mike Alger
Address REICHHOLD ENERGY CORPORATION
1410 S.W. Marlow Avenue, Portland, OR 97225

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling takes place, and provided these authorities make a determination of compliance with statewide goals.

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland, Oregon 97201

RECEIVED-PTI
FEB 13 1984

APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS 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.)

Portland, Oregon Feb. 9 1984

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 OR 1977) application is hereby made for permit to drill a (new well) to be known as REICHHOLD ENERGY CORPORATION Columbia County
Well No. 43-22 in SE/4 of Sec. 22, T. 6N, R. 5W W.B.M., Mist Field, Columbia County.

Survey Coordinates: 2100' N and 1700' W from the SE/4 corner
300'S 150' W from E 1/4 corner

Elevation of ground above sea level is 720 feet. All depth measurements are taken from top of Kelly Bushing, which is 11.4 above ground.

\*\*Lessee: ARCO EXPLORATION COMPANY
Address: P. O. Box 5540, Denver, Colorado 80217
Lessor: COLUMBIA COUNTY
Address: County Courthouse, St. Helens, OR 97051

\*\* These parties are correct as now known and Reichhold Energy Corporation has a contractual right to drill.
We propose to use the following strings of casing and to land or cement them as herein indicated:

Table with 7 columns: 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. Contains two rows of casing specifications.

Proposed Depth: 4000' Objectives: Clark and Wilson Sands
Clatskanie Sands

Approved \_\_\_\_\_, 19 \_\_\_\_
except as follows:
DEPT. OF GEOLOGY & MINERAL INDUSTRY
By \_\_\_\_\_ Director

REICHHOLD ENERGY CORPORATION
company or operator
By [Signature]
Position N. W. District Geologist & Manager
Send communications regarding well to:
Name Mike Alger
Address REICHHOLD ENERGY CORPORATION
1410 S.W. Marlow Ave. Portland, OR 97225

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling takes place, and provided these authorities make a determination of compliance with statewide goals.