

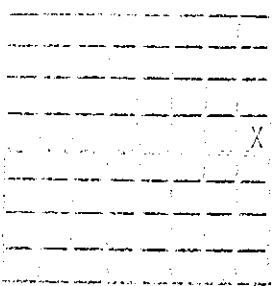
Department of Geology and Mineral Industries  
 State Office Building, Sacramento, California

APPLICATION FOR PERMIT TO DRILL NEW WELL OR STRATIGRAPHIC HOLE  
 (This is accompanied by a \$400 permit fee for new wells only and a surety bond conditioned as provided by law.)  
Bakersfield Calif  
XXXXX August 6, 1979

Department of Geology and Mineral Industries  
 Sacramento, California

This application is made in accordance with and regulation pursuant to C.R.S. 300 (Chapter 307 of 1955) application is hereby made for permit to drill

by REICHHOLD ENERGY CORPORATION HAMMERBERG  
 owner or operator  
 in NE/4 of Sec. 14, T. 6N, R. 5W W. B. G. M.  
MIST Field, COLUMBIA County.



Location of Well from G&M maps

This well is 2,400 feet (N) (S) of the NORTH line and 400 feet (E) (W) of the EAST line of Sec. 14.

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

Elevation of ground above sea level is 640 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 810, St. Helens, Oregon 97501

The lessee is Allen E. Hammerberg  
 Address Mist Route, Clatskanie, Oregon 97016

LOCATE WELL CORROUSIVELY

We estimate that the first productive oil or gas sand should occur at a depth of about 2,000 feet. The proposed use and following string of casing and to land or cement them as hereinafter indicated:

Outside diameter	Size of casing	Weight in pounds per foot	Grade and type	Name of casing brand	Depth	Land or cemented (No. pipe strings)
9-7/8"	7"	20	K-Sm's	N	400	150
6-1/4"	4-1/2"	10.5	K-Sm's	N	2,700	150

We propose to drill with XXXXX tools.  
 XXXXXX

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 Oil Sand 2,000'  
 Est. Total Depth 2,700'

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

By \_\_\_\_\_, 1979  
 Director of Geology

REICHHOLD ENERGY CORPORATION  
 By \_\_\_\_\_  
 Position Engineer

Send communications regarding well to:

Name R. L. Beardsley  
 Address P.O. Box 810  
St. Helens, Oregon 97501