

STATE OF OREGON
 DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
 910 State Office Building Portland, OR 97201

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a \$100 permit fee, a surety bond conditioned as provided by law, and evidence of mineral rights ownership or lease.) This application becomes a permit to drill when signed and dated by DOGAMI in box below.

In compliance with rules and regulations pursuant to ORS 520, application is hereby made for permit to drill

(a gas well) to be known as TENNECO OIL COMPANY COLUMBIA CO. 41-28
 (an oil well) (Company or operator) (Lease) (Well No.)

in NE 1/4 of Sec. 28, T. 6N, R. 5W W.B.&M. Directional? No Yes

Survey Coordinates: 324 260 S & 359 400 W of NE Cor., Sec. 28-T6N/R5W

Wildcat: _____ (or) Field Name: Mist County: Columbia

Elevation of ground above sea level is ±920' feet. All depth measurements are taken from _____, which is 12' above ground.

Lessor (Mineral Owner): Columbia County, Oregon

Address: Columbia County Courthouse, First Street, St. Helens, Oregon 97051

Surface Owner: Longview Fiber Co.

Address: P. O. Box 97, Vernonia, Oregon 97064

Lessee: Tenneco Oil Co./Marathon Oil Co.

Address: P.O. Box 9909 Bakersfield, CA 93389

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MAY 7 1985

DEPT. OF GEOLOGY
 & MINERAL INDUSTRIES

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/Type	Depth	Amount of cement
12 1/4"	8 5/8"	24#	K-55	400'	200 sx.
7 7/8"	5 1/2"	15.5#	K-55	3000'	725 sx.

Geologic Objectives Clark & Wilson Sand

Proposed Depth ±3,000'

Company/Operator TENNECO OIL COMPANY

Signature R. E. McPhetridge

Position Division Land Manager

Date 4/30/85

SEND WELL COMMUNICATION TO:

Name R. E. McPhetridge

Address P. O. Box 9909

Bakersfield, CA 93389

Phone (805) 835-6800 (Day) (805) 398-8121 (Night)

DOGAMI Approved June 11, 19 85
 The September 1984 stipulations approved by the State Geologist are conditions of this permit.
 By James L. Olmstead
 Petroleum Engineer

NOTE: (1) Issuance of this permit is not a finding of compliance with the Statewide Planning Goals or the acknowledged comprehensive plan. (2) Permit expires one year from date of issue. (3) Land use approval must be obtained from the county or city in which the drilling takes place. (4) Unless specifically exempted, permittee is obligated to comply with all current applicable statutes and rules including those adopted after permit issuance.