

STATE OF OREGON
 DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
 800 NE Oregon Street #28, Portland OR 97232

36-009-00327 API#:

APPLICATION FOR PERMIT TO DRILL AN OIL OR GAS WELL

(To be accompanied by a \$250 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) (an oil well) to be known as: OM 32-22-65

Northwest Natural Gas Company Northwest Natural Gas Company OM 32-22-65
 (Company or Operator) (Lease) (Well No.)

Sec. 22 T. 6N R. 5W Surveyed Coordinates (if directional, BHL & SHL): BHL: 2100' South & 1600' West
 of the NE corner, sec. 22; T6N; R5W SHL: 1900' South & 1200' West of the NE corner Sec. 22; T6N; R5W

Wildcat: (or) Field Name: Calvin Creek-Al's Pool County: Columbia
 Elevation of ground above sea level: 755 feet. All depth measurements are taken from Kelly Bushing
 which is 9 feet above ground.

Lessor (Mineral Owner): Longview Fibre Co.	287
Address: P. O. Box 667 Longview, WA 98630	
Surface Owner: Longview Fibre Co.	287
Address: P. O. Box 667 Longview, WA 98630	
Lessee: Northwest Natural Gas Company	222
Address: 220 Northwest Second Ave. Portland, OR 97209	

We propose to the use the following strings of casings 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#	J-55	350 feet	245 sx
7-7/8"	5-1/2"	15.5#	J-55	2250 feet	350 sx

Geologic Objectives: Clark and Wilson Sand
 Proposed Depth: 2250' TVD

Company/Operator: Northwest Natural Gas Company 222

DOGAMI approved (date) July 14, 1997
 24 HOUR NOTICE FOR BOF TESTS
 by: Dennis J. O'Leary

Signature: Todd A. Thomas

Position: Storage Development Engineer

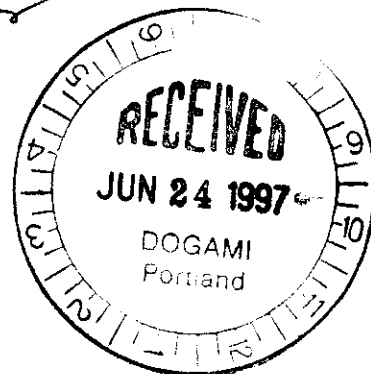
Date: 6/19/97

SEND WELL COMMUNICATION TO:

Name: Todd A. Thomas

Address: 220 Northwest 2nd Ave.
 Portland, OR 97209

Phone:(day) 503/226-4211 ext. 4686 (night) 503/848-2947



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