

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

MISCELLANEOUS APPLICATION  
(In compliance with rules and regulations pursuant to ORS 520)

Northwest Natural Gas Company Northwest Natural Gas Company CC 43-22-65  
(Company or Operator) (Lease) (Well No.)

Sec. 22 T. 6N R. W Surveyed Coordinates (if directional, BHL & S11L): SHL.: 879' west & 392' south  
Of the east quarter corner of section 22; T6N; R5W BHL.: Same as S11L

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

Signature: Todd A. Thomas

Date: 9/1/97

Position: Storage Development Engineer

Use this form for applications to deepen, rework, abandon, or any other proposed procedure on an existing well.

This form must be submitted unless verbal approval had been given. This application becomes a permit when signed and dated by DOGAMI in the box below.

The present condition of the well, including complete casing record, is as follows:

The well is presently used as a pressure observation well and is in the present condition:

- 8-5/8" casing set at 377'
- 5-1/2" casing set at 1995'
- 2-3/8" tubing hung at 1338'
- Bridge plug set at 1515'

Following is a detailed account of proposed work:

Kill well with lease water. Remove production tree. Remove 2-3/8" tubing. Reinstall production tree. In conjunction with Calvin Creek Phase I development, a velocity check survey will be run in this well in September or October 1997. After that work is completed, the well will be left as a pressure observation well.

Company/Operator: Northwest Natural Gas Company  
Signature:

Position: Storage Development Engineer  
Date: September 1, 1997

SEND WELL COMMUNICATION TO:  
Name: Todd Thomas  
Address: 220 Northwest 2<sup>nd</sup> Ave.  
Portland, OR 97209  
Phone: day: (503)226-4211 x4686 night: (503)780-4880

DOGAMI approved (date) 9/3/97  
SUBMIT HISTORY WHEN WORK IS COMPLETED.  
by: *[Signature]*