

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

FAX: JACK MEYER  
Northwest Nat.  
220-2595

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

NORTHWEST NATURAL IW 22H-22-65 (CALVIN CREEK)  
(Company or Operator) (Lease) (Well No.)  
Sec. 22 T 6N R 5W Surveyed Coordinates (if directional, BHL & SHL): 2240'S + 160' W OF N 1/4 CORNER,  
SEC. 22, T6N, R5W, COLUMBIA Co.  
Wildcat: \_\_\_\_\_ (or) Field Name: MIST-CALVIN CREEK STORAGE County: COLUMBIA  
Date: OCT. 24, 1997 Signature: Dan E. Whinnell

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

This form becomes a permit when signed and dated by DOGAMI in the box below.

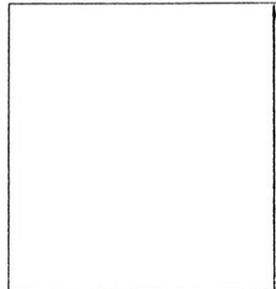
The present condition of the well, including complete casing record, is as follows:

13 3/8" csq @ 332'; 8 5/8" csq. @ 1763'.  
CBL indicates good band 1230' - 1210' and maybe  
good band to 1190'. Poor band to surface.

Following is a detailed account of proposed work:

Shoot @ 400' and squeeze cement to surface.  
Establish circulation before cement job.

DOGAMI approved Oct. 24, 19 97  
by Dan E. Whinnell



~~Spacing Unit~~ not applicable