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

NORTHWEST NATURAL SW 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 TGN RSW, COLUMBIA CO.

Wildcat: ______ (or) Field Name: MIST-CALVIN CREEK STORAGE County: COLUMBIA

Date: OCT. 24, 1997 Signature: Dan E. Warrin

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" casing @ 332; 8 5/8" casing @ 1763'.

CBL indicates good band 1230'-1210' and maybe good band to 1990'. 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, 1997

by Dan E. Warrin

Spacing Unit not applicable