

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

Rec'd 12/27/00

WELL SUMMARY REPORT
(In compliance with rules and regulations pursuant to ORS 520)

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

Sec. 22 T. 6N R. 5W Surveyed Coordinates (if directional, BHL & SHL): SHL; 2441.8' North & 122.2' W from the SE corner of section 22, T6N, R5W; BHL; 260' S & 99' W from surface location at a measured depth of 1578'

Wildcat: (or) Field Name: Calvin Creek Storage Field County: Columbia

Signature: *Yoda. Glous*

Date: 12/18/00 Position: Construction Manager

Commenced drilling: 5/24/00	Completed drilling: 6/5/00	P&A:
Total depth: MD 2317'	Redrill depth:	
Logs run: Array Induction, BHC Sonic, GR, SP, FMS, CET		

CASING RECORD	Size of hole	Size of casing	Wt. in lbs. per ft.	Grade Type	Depth	Amount of cement
	12 1/4"	8 5/8"	32#/ft	H-40	444'	180 sx
	7 7/8"	5 1/2"	15.5#/ft	J-55	2318'	330 sx

	Geological Marker	Depth
Plugs	Keasey	685' MD
	Cowlitz	1323' MD
Junk	Clark & Wilson	1575' MD

Perforations or Liner	Size of Casing				Method of Perforating		
					Jet	Bullet	Slotted Liner
	5 1/2"	From 1578'	To 1615'	Shots/ft. 1 shot/ft	X		
		1625'	1706'				
		1768'	1816'				
		1822'	1832'				
		1838'	1875'				

Date	Clean Oil bbl/day	Gravity	Percent Water	F.T.P.	F.C.P.	S.I.T.P.	S.I.C.P.
Initial							