

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

12/18/00

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

NW Natural Northwest Natural Gas OM 22-26-65
(Company or Operator) (Lease) (Well No.)

Sec. 26 T. 6N R. 5W Surveyed Coordinates (if directional, BHL & SHL): SHL; S87°29'27"E 2512.13' & S02°30'33"E 1744.22' from the NW corner of section 26, T6N; R5W, BHL; 143' S & 51' W from surface location

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

Signature: *Yadd Glou...*

Date: 12/18/00 Position: Construction Manager

Commenced drilling: 5/18/00	Completed drilling: 5/22/00	P&A:
Total depth: MD 2151'	Redrill depth:	
Logs run: Array Induction, BHC Sonic, GR, SP, CET		

	Size of hole	Size of casing	Wt. in lbs. per ft.	Grade Type	Depth	Amount of cement
CASING RECORD	existing	7"	23#/ft	K-55	487'	cemented
	6 1/4"	4 1/2"	10.5#/ft	K-55	2151'	200 sx

	Geological Marker	Depth
Plugs	Cowlitz	1004' MD
	Clark & Wilson	1337' MD
Junk		

	Size of Casing	From	To	Shots/ft.	Method of Perforating		
					Jet	Bullet	Slotted Liner
Perforations or Liner	4 1/2"	1379'	1423'	1 shot/ft	X		
		1431'	1474'				
		1478'	1480'				
		1483'	1494'				

Perf's cont.	From 1498'	To 1522'	From 1542'	To 1546'	From 1551'	To 1557'	From 1565'	To 1654'
	From 1668'	To 1677'						