

SUMMARY REPORT - OIL OR GAS WELL
 STATE OF OREGON • DEPT OF GEOLOGY & MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321
 (In compliance with rules and regulations pursuant to ORS 520.)

(1) Permittee Information

Name	Northwest Natural Gas Company
Mailing Address	220 Northwest Second Ave.
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Prepared by	Todd Thomas

(2) Well Information

Well No.	OM 23c-11-65
DOGAMI ID No.	O & G Permit #543
Drilling Commenced	August 10, 2005
Drilling Completed	August 22, 2005
Date P & A	
Total Depth	3108 ft M.D.
Redrill Depth	
Logs Run	Induction, Sonic, Gamma Ray, Neutron Density, EMI

Todd A. Glaw
Signature

Project Manager
Title

5/2/06
Date

(3) Casing Record

Size of Hole	Size of Casing	Weight (pound per foot)	Grade/Type	Depth	Type and Amount of Cement	
12 1/4"	8 5/8"	36	J-55	468 ft	Class III	60 bbls.
7 5/8"	5 1/2"	15.5/17.0	J-55	3100 ft	Halliburton Premium	154 bbls.

(4) Plugs & Junk

Plugs / Junk	Geological Marker	Depth
None	Keasey	315' TVD
	Cowlitz	2147' TVD
	Clark & Wilson	2618' TVD

(5) Perforations or Liner

Size of Casing	From	To	Shots/ft.	Method of Perforating		
				Jet	Bullet	Slotted Line
5 1/2"	3100 ft	surface	4 spf (3.125")	2712' - 2752'		
				2930' - 2970'		

(6) Initial Production

Date	Clean Oil (bbl/day)	Gravity	Percent Water	FTP	FCP	SITP	SICP