



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

**WELL RECORD AND COMPLETION REPORT**

Well Operator NORTH COAST ENERGY, INC.		DEP ID# 48277	Well API # (Permit / Reg) 105-21373	Project Number	Acres 3300+-
Address ONE GOJO PLAZA, SUITE 325			Well Farm Name CLARA FIELD	Well # 18	Serial #
City AKRON	State OH	Zip Code 44311	County POTTER	Municipality CLARA	
Phone (330) 572 - 8500	Fax (330) 252 - 0199	USGS 7.5 min. quadrangle map SHINGLEHOUSE			
Check all that apply: <input checked="" type="checkbox"/> Original Well Record <input checked="" type="checkbox"/> Original Completion Report <input type="checkbox"/> Amended Well Record <input type="checkbox"/> Amended Completion Report					

**WELL RECORD** Also complete Log of Formations on back (page 2)

Well Type	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Oil	<input type="checkbox"/> Combination Oil & Gas	<input type="checkbox"/> Injection	<input type="checkbox"/> Storage	<input type="checkbox"/> Disposal	
Drilling Method	<input checked="" type="checkbox"/> Rotary - Air	<input type="checkbox"/> Rotary - Mud	<input type="checkbox"/> Cable Tool				
Date Drilling Started 6/2/2008	Date Drilling Completed 6/6/2008	Surface Elevation 2353 ft.	Total Depth - Driller 2300 ft.	Total Depth - Logger 2319 ft.			
<b>Casing and Tubing</b>		Cement returned on surface casing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
		Cement returned on coal protective casing? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A					
Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type Size Depth	Date Run
12 1/4	9 5/8	26	T	23	SANDED IN		6/2/2008
8 7/8	7	17	T	501	90 SX 50/50 POZ	SHOE 7 501	6/3/2008
						CENT 7 470,376	6/3/2008
						CENT 7 282	6/3/2008
6 1/4	1 1/2	2.75	T	2185.7	HUNG		8/26/2008

**COMPLETION REPORT**

Perforation Record			Stimulation Record						
Date	Interval Perforated From To		Date	Interval Treated	Fluid Type Amount		Propping Agent Type Amount		Average Injection
				SEE ATTACHED STIMULATION RECORD					
Natural Open Flow	SHOW GAS				Natural Rock Pressure	NT		Hours	Days
After Treatment Open Flow	300 MAF				After Treatment Rock Pressure	450		72 Hours	Days

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**Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.**

Name PLANTS & GOODWIN INC	Name SUPERIOR WELL SERVICES	Name TITAN WIRELINE
Address 1034 ROUTE 44	Address 346 HIGH ST	Address ROUTE 219 S
City - State - Zip SHINGLEHOUSE, PA 16748	City - State - Zip BRADFORD, PA 16701	City - State - Zip ELDERTON, PA 15736
Phone (814)697-6330	Phone (814)368-3137	Phone (724)354-2629

**CLARA FIELD 18**  
**105-21373**

<b>COMPLETION REPORT</b>									
PERFORATION RECORD			STIMULATION RECORD						
DATE	PERFORATED		DATE	INTERVAL TREATED	FLUID		PROPPING AGENT		AVERAGE INJECTION
	FROM	TO			TYPE	AMOUNT	TYPE	AMOUNT	
8/22/2008	1322	1322	8/25/2008	1322	WATER	6800 G	SAND	80 SX	
8/22/2008	1333	1333	8/25/2008	1333	WATER	6800 G	SAND	80 SX	
8/22/2008	1469	1469	8/25/2008	1469	WATER	6800 G	SAND	80 SX	
8/22/2008	1519	1519	8/25/2008	1519	WATER	6800 G	SAND	80 SX	
8/22/2008	1530.5	1530.5	8/25/2008	1530.5	WATER	6800 G	SAND	80 SX	
8/22/2008	1573	1573	8/25/2008	1573	WATER	6800 G	SAND	80 SX	
8/22/2008	1675	1675	8/25/2008	1675	WATER	6800 G	SAND	80 SX	
8/22/2008	1680	1680	8/25/2008	1680	WATER	4500 G	SAND	25 SX	
8/22/2008	1684	1684	8/25/2008	1684	NOT TREATED				
8/22/2008	1688	1688	8/25/2008	1688	WATER	9000 G	SAND	70 SX	
8/22/2008	1692	1692	8/25/2008	1692	WATER	3500 G	SAND	50 SX	
8/22/2008	1793.5	1793.5	8/25/2008	1793.5	WATER	9000 G	SAND	100 SX	
8/22/2008	2082	2082	8/25/2008	2082	WATER	9000 G	SAND	60 SX	

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## LOG OF FORMATIONS

Well API#: **105-21373**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
SURFACE FILL	0	8				DRILLER LOG
SANDSTONE	8	35				"
SHALE	35	85				"
SANDSTONE	85	120				"
SHALE	120	160				"
SANDSTONE	160	185				"
SHALE	185	195				"
RED ROCK	195	220				"
SANDSTONE	220	260				"
RED ROCK	260	315				"
SANDSTONE	315	325				"
RED ROCK	325	360				"
SANDSTONE	360	385				"
RED ROCK	385	465				"
SHALE	465	530				"
RED ROCK	530	560				"
SHALE	560	620				"
RED ROCK	620	645				"
SHALE & SANDSTONE	645	1260				"
SAND	1260	1270	1265'			"
SHALE	1270	1290				"
RED ROCK	1290	1295				"
SHALE	1295	1790				"
BROWN SANDSTONE	1790	1860	1800'			"
SHALE	1860	1890				"
SAND	1890	1910	1900'			"
SHALE	1910	1970				"
BROWN SANDSTONE	1970	1995				"
SHALE	1995	2030				"
SAND	2030	2040	2035'			"
SHALE	2040	2080				"
SAND	2080	2090	2085'			"
SHALE	2090	2230				"
SAND	2230	2240	2235'			"
SHALE	2240	2300				"
DTD		2300				"

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Please delete empty rows if necessary to make all of page 2 fit on one page.

<b>Well Operator's Signature:</b> 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>DEP USE ONLY</b></td> <td style="width: 40%;"></td> </tr> <tr> <td>Reviewed by: </td> <td>Date: 9-14-09</td> </tr> <tr> <td colspan="2">Comments:</td> </tr> </table>	<b>DEP USE ONLY</b>		Reviewed by: 	Date: 9-14-09	Comments:	
<b>DEP USE ONLY</b>							
Reviewed by: 	Date: 9-14-09						
Comments:							
Title: SR GEOLOGIST	Date: 10/15/2008						