



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 <b>NORTH COAST ENERGY, INC.</b>		DEP ID# <b>48277</b>	Well API # (Permit / Reg) <b>105-21366</b>	Project Number	Acres <b>3300+-</b>
Address <b>ONE GOJO PLAZA, SUITE 325</b>			Well Farm Name <b>CLARA FIELD</b>	Well # <b>14</b>	Serial #
City <b>AKRON</b>	State <b>OH</b>	Zip Code <b>44311</b>	County <b>POTTER</b>	Municipality <b>PLEASANT VALLEY</b>	
Phone <b>(330) 572 - 8500</b>	Fax <b>(330) 252 - 0199</b>	USGS 7.5 min. quadrangle map <b>SHINGLEHOUSE</b>			
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 <b>6/11/2008</b>	Date Drilling Completed <b>6/13/2008</b>	Surface Elevation <b>2181 ft.</b>	Total Depth - Driller <b>2100 ft.</b>	Total Depth - Logger <b>2108 ft.</b>			
<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		6/11/2008
8 7/8	7	17	T	501	110 SX 50/50 POZ	SHOE 7 501	6/12/2008
						CENT 7 470,376	6/12/2008
						CENT 7 283	6/12/2008
6 1/4	1 1/2	2.75	T	1607.25	HUNG		8/9/2008

## 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			
							<b>RECEIVED</b> OCT 17 2008 ENVIRONMENTAL PROTECTION NORTHWEST REGIONAL OFFICE
Natural Open Flow	<b>SHOW GAS</b>		Natural Rock Pressure	<b>NT</b>		Hours	Days
After Treatment Open Flow	<b>300 MAF</b>		After Treatment Rock Pressure	<b>270</b>		72 Hours	Days

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

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

**CLARA FIELD 14**  
**105-21366**

<b>COMPLETION REPORT</b>									
PERFORATION RECORD			STIMULATION RECORD						
DATE	PERFORATED		DATE	INTERVAL TREATED	FLUID		PROPPING AGENT		AVERAGE INJECTION
	FROM	TO			TYPE	AMOUNT	TYPE	AMOUNT	
8/5/2008	741	741	8/8/2008	741	WATER	4500 G	SAND	50 SX	19.7
8/5/2008	906	906	8/8/2008	906	WATER	5750 G	SAND	70 SX	17.1
8/5/2008	910	910	8/8/2008	910	WATER	5750 G	SAND	70 SX	19
8/5/2008	914	914	8/8/2008	914	WATER	5750 G	SAND	70 SX	19.1
8/5/2008	918	918	8/8/2008	918	WATER	5750 G	SAND	70 SX	19
8/5/2008	1278	1278	8/8/2008	1278	WATER	5750 G	SAND	70 SX	19.2
8/5/2008	1320	1320	8/8/2008	1320	WATER	5750 G	SAND	70 SX	19.6
8/5/2008	1324	1324	8/8/2008	1324	WATER	5750 G	SAND	70 SX	19.3
8/5/2008	1471.5	1471.5	8/8/2008	1471.5	WATER	5750 G	SAND	70 SX	13.7
8/5/2008	1475.5	1475.5	8/8/2008	1475.5	WATER	5750 G	SAND	70 SX	15.2
8/5/2008	1479.5	1479.5	8/8/2008	1479.5	WATER	5750 G	SAND	50 SX	11.9
8/5/2008	1483.5	1483.5	8/8/2008	NOT TREATED					
8/5/2008	1620	1620	8/8/2008	NOT TREATED					
8/5/2008	1694	1694	8/8/2008	NOT TREATED					
8/5/2008	1790	1790	8/8/2008	NOT TREATED					

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**LOG OF FORMATIONS**

Well API#: **105-21366**

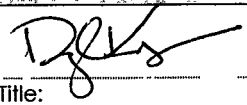
Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
SURFACE FILL	0	8				DRILLER LOG
SANDSTONE	8	35				"
RED ROCK	35	85				"
SHALE	85	120				"
SANDSTONE	120	185			1" F 140'	"
RED ROCK	185	250				"
SHALE	250	260				"
SANDSTONE	260	285			1 1/2" F 275'	"
RED ROCK	285	320				"
SANDSTONE	320	360			2" F 340'	"
RED ROCK	360	485				"
SHALE	485	520				"
RED ROCK	520	560				"
SHALE & SANDSTONE	560	1340				"
SAND	1340	1360	1350'			"
SHALE	1360	1480				"
SAND	1480	1550	1500'			"
SHALE	1550	1595				"
SAND	1595	1615				"
SHALE	1615	1700				"
SAND	1700	1715	1710'			"
SHALE	1715	1900				"
SAND	1900	1920	1910'			"
SHALE	1920	2020				"
SAND	2020	2030	2025'			"
SHALE	2030	2100				"
DTD		2100				"

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ENVIRONMENTAL PROTECTION  
NORTHWEST REGIONAL OFFICE

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

<b>Well Operator's Signature:</b>		<b>DEP USE ONLY</b>	
		Reviewed by:	Date:
Title: SR GEOLOGIST	Date: 10/15/2008	Comments:	