



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) 105-21374	Project Number	Acres 3300+-
Address ONE GOJO PLAZA, SUITE 325			Well Farm Name CLARA FIELD	Well # 20	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: Original Well Record Original Completion Report Amended Well Record 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 5/27/2008	Date Drilling Completed 5/30/2008	Surface Elevation 2305 ft.	Total Depth - Driller 2310 ft.	Total Depth - Logger 2319 ft.		

Casing and Tubing

Cement returned on surface casing? Yes No
Cement returned on coal protective casing? Yes No 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				5/27/2008
8 7/8	7	17	T	501	110 SX 50/50 POZ	SHOE	7	501	5/28/2008
						CENT	7	470,376	5/28/2008
						CENT	7	282	5/28/2008
6 1/4	1 1/2	2.75	T	2151.9	HUNG				8/22/2008

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	800 MAF		After Treatment Rock Pressure	500				72 Hours	Days

RECEIVED
OCT 17 2008
ENVIRONMENTAL PROTECTION DEPARTMENT
NORTHWEST REGION

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 20
105-21374**

COMPLETION REPORT									
PERFORATION RECORD			STIMULATION RECORD						
DATE	PERFORATED		DATE	INTERVAL TREATED	FLUID		PROPPING AGENT		AVERAGE INJECTION
	FROM	TO			TYPE	AMOUNT	TYPE	AMOUNT	
8/18/2008	952	952	8/21/2008	952	WATER	3846 G	SAND	50 SX	18
8/18/2008	1002	1002	8/21/2008	1002	WATER	5554 G	SAND	80 SX	19.2
8/18/2008	1033	1033	8/21/2008	1033	WATER	6060 G	SAND	100 SX	18.2
8/18/2008	1037	1037	8/21/2008	1037	WATER	7722 G	SAND	100 SX	18
8/18/2008	1043	1043	8/21/2008	1043	WATER	243 G	SAND		1.4
8/18/2008	1047	1047	8/21/2008	1047	WATER	115 G	SAND		4.5
8/18/2008	1051	1051	8/21/2008	1051	NOT TREATED				
8/18/2008	1055	1055	8/21/2008	1055	WATER	6385 G	SAND	90 SX	18.5
8/18/2008	1249	1249	8/21/2008	1249	WATER	6508 G	SAND	80 SX	18.7
8/18/2008	1253	1253	8/21/2008	1253	WATER	6026 G	SAND	80 SX	18.4
8/18/2008	1447	1447	8/21/2008	1447	WATER	6509 G	SAND	80 SX	19.4
8/18/2008	1451	1451	8/21/2008	1451	WATER	6066 G	SAND	80 SX	18.7
8/18/2008	1490	1490	8/21/2008	1490	WATER	6035 G	SAND	80 SX	18.2
8/18/2008	1496	1496	8/21/2008	1496	WATER	4753 G	SAND	80 SX	18.8
8/18/2008	1599	1599	8/21/2008	1599	WATER	6025 G	SAND	80 SX	18.3

RECEIVED

OCT 17 2008

ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

LOG OF FORMATIONS

Well API#: **105-21374**

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
SHALE	8	35				"
SANDSTONE	35	85				"
SHALE	85	120				"
RED ROCK	120	140				"
SANDSTONE	140	180				"
RED ROCK	180	210				"
SHALE	210	225				"
RED ROCK	225	320				"
SANDSTONE	320	360			1/2" F 340'	"
RED ROCK	360	420				"
SHALE	420	460				"
RED ROCK	460	485				"
SANDSTONE	485	520				"
SHALE & RED ROCK	520	1170				"
SAND	1170	1185	1180'			"
SHALE	1185	1370				"
SAND	1370	1380	1375'			"
SHALE	1380	1440				"
LT BROWN SANDSTONE	1440	1455	1450'			"
SHALE	1455	1540				"
SAND	1540	1560				"
SHALE	1560	1625				"
SAND	1625	1640	1630'			"
SHALE	1640	1735				"
BROWN SANDSTONE	1735	1743	1740'			"
SHALE	1743	1790				"
BROWN SANDSTONE	1790	1830	1800'			"
SHALE	1830	2035				"
SAND	2035	2045				"
SHALE	2045	2060				"
SAND	2060	2080				"
SHALE	2080	2105				"
BROWN SANDSTONE	2105	2130	2110'			"
SHALE	2130	2180				"
SAND	2180	2190				"
SHALE	2190	2310				"
DTD		2310				"


No Coal Reported by Driller

RECEIVED

OCT 17 2008

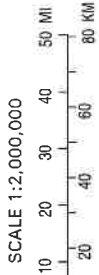
ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

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

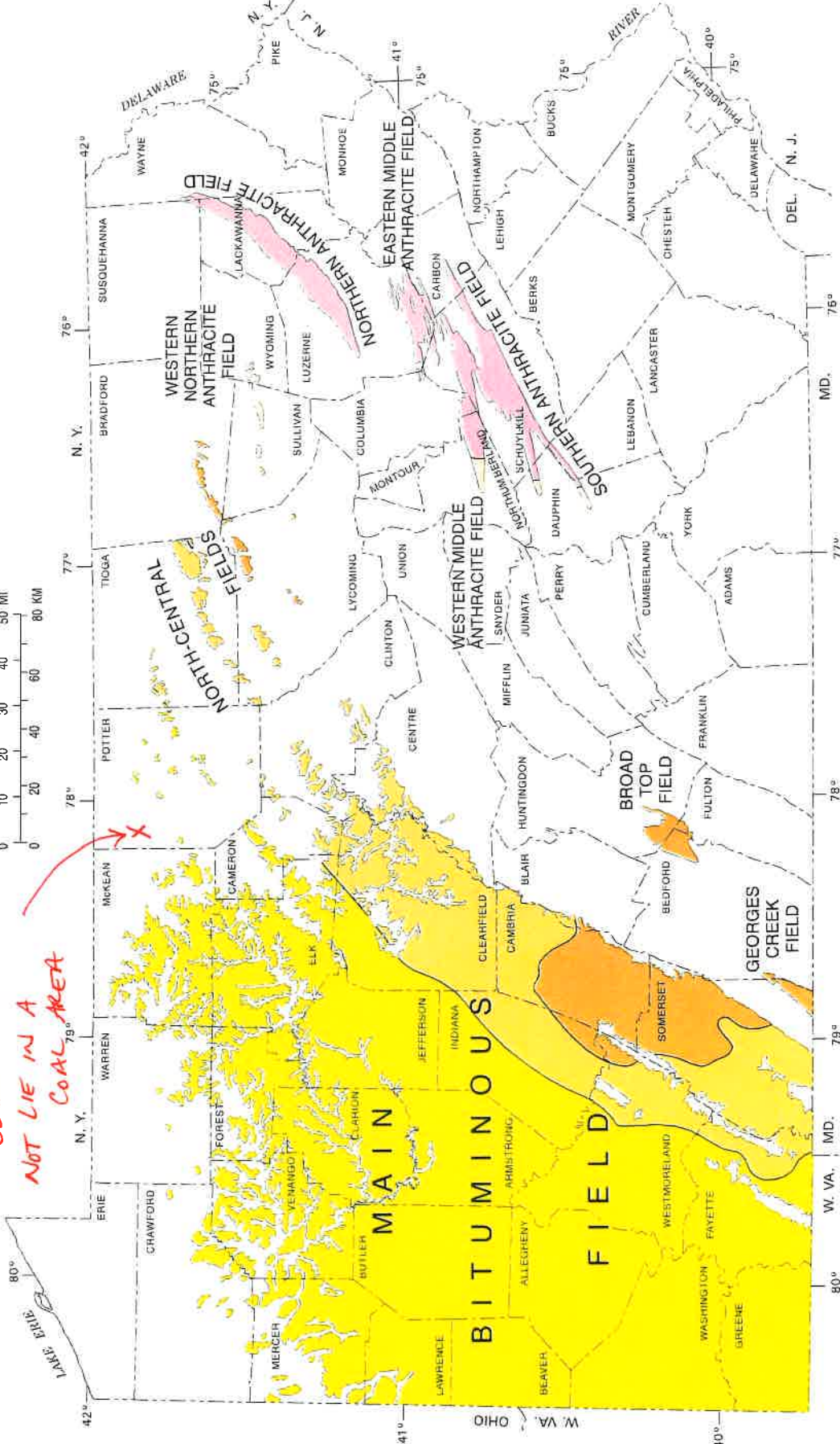
<p>Well Operator's Signature:</p>  <p>Title: SR GEOLOGIST</p> <p>Date: 10/15/2008</p>	<p style="text-align: center;">DEP USE ONLY</p> <p>Reviewed by: _____ Date: _____</p> <p>Comments: _____</p>
---	---

DISTRIBUTION OF PENNSYLVANIA COALS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
CONSERVATION AND NATURAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY
www.dcnr.state.pa.us/topogco



CLARA LEASE DOES NOT LIE IN A COAL AREA



EXPLANATION

- | | |
|--|---------------------------------|
| | High-volatile bituminous coal |
| | Medium-volatile bituminous coal |
| | Low-volatile bituminous coal |
| | Semi-anthracite |
| | Anthracite |