

**RECEIVED**  
 Office of Oil & Gas  
**JUN 05 2009**  
 WV Department of  
 Environmental Protection

01-Aug-08  
 API#: 47-001-02981

**STATE OF WEST VIRGINIA**  
 Division of Environmental Protection  
 Office of Oil and Gas

**WELL OPERATOR'S REPORT of WELL WORK**

Farm Name: ROBERT R JONES Operator Well No.: WENTZ 3HN  
 Location: Elevation: 1595 7.5' Quad.: AUDRA  
 District: UNION County: BARBOUR  
 Latitude: 13,810 Feet South of 39 Deg. 05 Min. 00 Sec.  
 Longitude: 7,210 Feet West of 80 Deg. 05 Min. 00 Sec.

Company: **North Coast Energy Eastern, Inc.**  
 P. O. BOX 8  
 RAVENSWOOD, WV 26164

Agent: Jon Ullom  
 Inspector: Bill Hatfield  
 Permit Issued: 08/01/08  
 Well Work Commenced (spud): 08/30/08  
 Well Work Completed (T.D.): 12/24/08  
 Verbal Plugging  
 Permission Granted on:  
 Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
 Total Depth (feet): 10186 TMD  
 Fresh Water Depths (feet):  
none  
 Salt Water Depths (feet):  
none  
 Is coal being mined in area ? No  
 Coal Depths (ft): None Found

Casing & Tubing (Size-O.D.)	Used in Drilling (feet)	Left in Well (feet)	Cement Type (sacks)
20" 24"	40 32	pulled 32	None 85 SX
16"	261	261	365
10 3/4" 7 5/8"	1840 7673	1840 7673	975 SX 365 SX
4 1/2" & LINER	4178	4178	230 SX

**OPEN FLOW DATA**

TVD: \_\_\_\_\_

Producing formation MARCELLUS Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/D Oil: Initial open flow 4 BBL/D  
 Final open flow \_\_\_\_\_ MCF/D Final open flow \_\_\_\_\_ BBL/D  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock pressure 1614 psig (surface pressure) after 24 Hours

2nd producing form. NA Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow - MCF/D Oil: Initial open flow - BBL/D  
 Final open flow \_\_\_\_\_ MCF/D Final open flow \* BBL/D  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

*\*Note: Initial Open-flows are natural flows without stimulation.*

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING, OR STIMULATING, PHYSICAL CHANGE, ETC; 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGIC RECORD OF ALL FORMATIONS, INCLUDING COAL, ENCOUNTERED BY THE WELLBORE.

For: *Jon Ullom*  
**NORTH COAST ENERGY Eastern, Inc.**  
 By: Jon Ullom  
 Date: 1-Jun-09

WR-35  
(Reverse)

API / Permit #: 47-001-02981  
North Coast Well #: WENTZ 3HN  
Elevation: 1595 GL 1605 KB

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**DETAILS OF PERFORATING, FRACTURING, OR PHYSICAL CHANGE, ETC.**

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waiting on stimulation

**WELL LOG**

<b>ROCK TYPE OR FORMATION NAME</b>	<b>TOP (TVD)</b>	<b>BOTTOM (TVD)</b>	<b>REMARKS</b>
SHALE & SAND	0	352	
SAND	350	465	
SHALE	465	548	
SAND	548	576	
SHALE	576	828	
SAND	828	906	
SHALE	906	1089	
BIG LIME (GREENBRIER)	1089	1294	
SHALE	1294	1375	
BIG INJUN SAND	1375	1409	
FOURTH SAND	1961	1977	
FIFTH SAND	2027	2071	
SPEECHLEY	2595	2604	
BRADFORD	3147	3207	
RILEY SAND	3517	3624	
BENSON SAND	3857	3876	
BURKETT	7131	7157	
TULLY	7157	7211	
HAMILTON	7211	7325	
MARCELLUS	7325	7415	
TOTAL MEASURED DEPTH		10186	
TRUE VERTICAL DEPTH of Well Bottom at TD		7462	