

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 8-10-2012  
API #: 47-069-00095

Farm name: William Rodgers OHI 8H Operator Well No.: 834660

LOCATION: Elevation: 1270' Quadrangle: Valley Grove

District: Liberty County: Ohio  
Latitude: 9000' Feet South of 40 Deg. 07 Min. 30 Sec.  
Longitude 6630' Feet West of 80 Deg. 30 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	13 3/8"	714'	714'	718 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2143'	2143'	1083 Cu. Ft.
Inspector: Bill Hendershot & Derek Haught	5 1/2"	15843'	15843'	4064 Cu. Ft.
Date Permit Issued: 11-16-2011				
Date Well Work Commenced: 12-14-2011				
Date Well Work Completed: 5-7-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6666'				
Total Measured Depth (ft): 15844'				
Fresh Water Depth (ft.): 79', 300'				
Salt Water Depth (ft.): 1189'				
Is coal being mined in area (N/Y)? Y				
Coal Depths (ft.): 664'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,714'-15,710'  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 1,694\* MCF/d Final open flow 138 - Bbl/d  
Time of open flow between initial and final tests 72 Hours \*Calculated  
Static rock Pressure 4,334\* psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ 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

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Maureen Lucciano  
Signature

8-27-2012  
Date

12/07/2012

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes \_\_\_\_\_ No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR MWD from 5,957'-15,844' MD  
MUDLOG FROM 0-15,844' MD

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
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(See Attached)

WVD Department of Environmental Protection

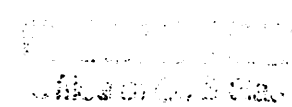
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**PERFORATION RECORD ATTACHMENT**

Well Number and Name: 834660 William Rodgers OHI 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated	Fluid		Propping Agent		Average Injection	
	From	To			Type	Amount	Type	Amount		
4/9/2012	15,154	15,710	5/6/2012	15,154	15,710	Sik wtr	11,878	Sand	640,840	80.0
5/6/2012	14,506	15,076	5/6/2012	14,506	15,076	Sik wtr	16,632	Sand	645,060	79.7
5/7/2012	13,856	14,427	5/7/2012	13,856	14,427	Sik wtr	12,613	Sand	642,800	80.0
5/7/2012	13,207	13,777	5/7/2012	13,207	13,777	Sik wtr	11,711	Sand	642,880	80.0
5/8/2012	12,558	13,128	5/10/2012	12,558	13,128	Sik wtr	11,915	Sand	642,360	80.0
5/10/2012	11,909	12,479	5/10/2012	11,909	12,479	Sik wtr	11,889	Sand	641,820	80.0
5/10/2012	11,257	11,830	5/10/2012	11,257	11,830	Sik wtr	12,124	Sand	643,320	80.0
5/10/2012	10,610	11,178	5/11/2012	10,610	11,178	Sik wtr	13,251	Sand	641,640	80.0
5/11/2012	9,961	10,531	5/11/2012	9,961	10,531	Sik wtr	11,828	Sand	643,560	80.0
5/11/2012	9,316	9,882	5/14/2012	9,316	9,882	Sik wtr	11,923	Sand	643,560	78.0
5/14/2012	8,662	9,232	5/14/2012	8,662	9,232	Sik wtr	11,298	Sand	642,460	80.0
5/14/2012	8,013	8,583	5/16/2012	8,013	8,583	Sik wtr	11,708	Sand	639,860	80.0
5/16/2012	7,364	7,934	5/16/2012	7,364	7,934	Sik wtr	11,426	Sand	645,160	80.0
5/16/2012	6,714	7,285	5/17/2012	6,714	7,285	Sik wtr	11,376	Sand	650,180	79.0

  
 Ohio Department of Natural Resources  
 Division of Oil & Gas  
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**LATERAL SIDETRACK  
WELLBORE**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SH	0	0	580	580
SS/LS	580	580	660	660
PITTSBURG COAL	660	660	670	670
LS/SH/SS	670	670	760	760
SS	760	760	1030	1030
SH/SS	1030	1030	1180	1180
SS	1180	1180	1780	1780
BIG INJUN (SS)	1780	1780	1988	1988
SHALE	2031	2031	6346	6331
GENESEO (SH)	6346	6331	6371	6351
TULLY (LS)	6371	6351	6418	6391
HAMILTON (SH)	6418	6391	6578	6501
MARCELLUS (SH)	6578	6501		
TD OF LATERAL			15844	6666

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