

WR-35  
Rev (9-11)

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

DATE: 3-21-2013  
API #: 47-069-00146

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Farm name: Edward Nichols OHI 201H

Operator Well No.: 835731

LOCATION: Elevation: 1,310.15'

Quadrangle: Wheeling WV

MAR 29 2013

District: Richland County: Ohio  
Latitude: 1,530' Feet South of 40 Deg. 07 Min. 30 Sec.  
Longitude 8,780' Feet West of 80 Deg. 37 Min. 30 Sec.

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

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	20"	135'	135'	87 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	603'	603'	143 Cu. Ft.
Inspector: Gayne J. Knitowski	9 5/8"	2,084'	2,084'	923 Cu. Ft.
Date Permit Issued: 8-29-2012	5 1/2"	14,440'	14,440'	1,319 Cu. Ft.
Date Well Work Commenced: 12-7-2012				
Date Well Work Completed: 12-27-2012(Rig release date)				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,171'				
Total Measured Depth (ft): 14,446'				
Fresh Water Depth (ft.): 395'				
Salt Water Depth (ft.): 665'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 567'				
Void(s) encountered (N/Y) Depth(s) Y 567'				

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

Producing formation Marcellus Pay zone depth (ft) (n/a - not frac'd)

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow N/A\* \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

\*Estimated TIL: 7-15-2013

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ 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

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.

Marla Williams  
Signature

3-28-2013  
Date

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 5910'-14389' 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:

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Estimated Fracturing: 4-23-2013

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	/	<u>Bottom Depth</u>
<u>Surface:</u>			

See attachment

**LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)**

**Maximum TVD of wellbore: 6171 ft TVD @ 7134 ft MD**

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WV GEOLOGICAL SURVEY  
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Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SILT/SH	0	0	300	300
SH/SS	300	300	396	396
LS/SH	396	396	470	470
SH/LS/COAL	470	470	496	496
SH/LS	496	496	540	540
NO RETURNS (COAL VOID)	540	540	567	567
Pittsburg Coal	567	567	577	577
NO RETURNS (COAL VOID)	577	577	610	610
SH	610	610	713	713
SS/SHALE	713	713	804	804
SH/LS	804	804	904	904
SILT/SH/SS	904	904	1092	1092
COAL/SH/LS/SILT/SS	1092	1092	1450	1450
SS/SHALE	1450	1450	1620	1618
Big Injun	1620	1618	1921	1918
SHALE/trc SILT/trc SAND	1921	1918	6484	5976
Geneseo	6484	5976	6511	5993
Tully	6511	5993	6591	6042
Hamilton	6591	6042	6813	6132
Marcellus	6813	6132		
TD of Lateral			14446	6098