

P Preliminary Report

State of West Virginia

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

WR-35  
Rev (9-11)

DATE: 12-11-2012  
API #: 47-069-00077

Farm name: Edward Nichols 8H Operator Well No.: 637870

LOCATION: Elevation: 1310' Quadrangle: Wheeling WV

District: Richland County: Ohio  
Latitude: 1480' Feet South of 40 Deg. 07 Min. 30 Sec.  
Longitude 8730' Feet West of 80 Deg. 37 Min. 30 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"	608'	608'	117 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2077'	2077'	932 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	12980'	12980'	3340 Cu. Ft.
Date Permit Issued: 5-2-2011				
Date Well Work Commenced: 6-20-2011				
Date Well Work Completed: 9-21-2011(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): 6335'				
Total Measured Depth (ft): 12980'				
Fresh Water Depth (ft.): 229' & 350'				
Salt Water Depth (ft.): 973'-1179' & 1330'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 545'				
Void(s) encountered (N/Y) Depth(s) Y 545'				

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 \_\_\_\_\_ 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

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.

Marlene Williams  
Signature

12-18-2012  
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 \_\_\_\_\_

Gamma ray, neutron, density, and resistivity open hole logs were run from 0'-6250' MD, and LWD GR was run from 5214'-12932' 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:

Tentative frac date 3/21/2013

Plug Back Details Including Plug Type and Depth(s): Cement plugs @ 420'-540' & 5450'-6250'

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
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See attached.

**VERTICAL PILOT HOLE**

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
LS/SS	0	390
LS/SHALE	390	545
PITTSBURGH COAL	545	552
LS/SHALE	552	650
SS	650	1910
SHALE	1980	6010
GENESEO (SH)	6010	6030
TULLY (LS)	6030	6076
HAMILTON (SH)	6076	6156
MARCELLUS (SH)	6156	6234
ONONDAGA (LS)	6234	
TD OF PILOT HOLE		6250

**LATERAL SIDETRACK  
WELLBORE**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	390	390
LS/SHALE	390	390	545	545
PITTSBURGH COAL	545	545	555	555
LS/SHALE	555	555	750	750
SS/SHALE	750	750	1930	1930
SHALE	1930	1930	6032	6014
GENESEO (SH)	6032	6014	6064	6033
TULLY (LS)	6064	6033	6148	6088
SHALE	6148	6088	6430	6180
MARCELLUS (SH)	6430	6180		
TD OF LATERAL			12980	6335

RECEIVED  
 OCT 1 1999  
 WASHINGTON FIELD OFFICE