

WR-35  
Rev (9-11)

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

DATE: 1-27-2010  
API #: 47-009-00093

Farm name: Barry Greathouse A Operator Well No.: 10H (833221)

LOCATION: Elevation: 1150' Quadrangle: Tiltonsville

District: Buffalo County: Brooke  
Latitude: 2980' Feet South of 40 Deg. 12 Min. 30 Sec.  
Longitude 6140 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	20"	60'	60'	Driven
Agent: Eric Gillespie	13 3/8"	334'	334'	400 cf
Inspector: Bill Hendershot	9 5/8"	1712'	1712'	788 cf
Date Permit Issued: 5/6/2011	5 1/2"	11598'	11598'	3050 cf
Date Well Work Commenced: 5/13/2011				
Date Well Work Completed: 9/20/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 5,897'(cement plug @11,508')				
Total Measured Depth (ft): 11,598'				
Fresh Water Depth (ft.): 525'				
Salt Water Depth (ft.): 1136'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 296				
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) 6,282'-11,424'

Gas: Initial open flow 994 MCF/d Oil: Initial open flow 167 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 3,833 psig (surface pressure) after \_\_\_\_\_ Hours

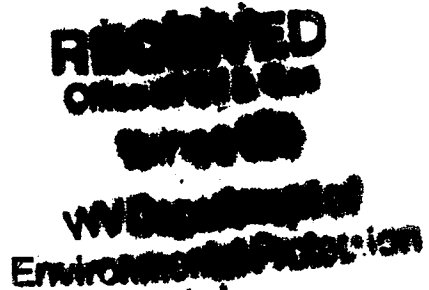
Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

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

5/8/2012  
Date

10/19/2012

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, density, neutron, induction

**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): Cement @ 11,508

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth  
Surface:

LS / SS | 0 | 296

Pittsburgh Coal | 296 - 305

SHALE | 305 - 350

SHALE / SS | 350 - 480

SS | 480 - 950

SHALE | 950 - 1050

SS | 1050 - 1320

SS / SHALE | 1320 - 1440

BIG INJUN | 1440 - 1577

SHALE | 1572 - 5876

GENESEO | 5876 - 5896

TULLY | 5896 - 5978

HAMILTON | 5978 - 6198

MARCELLUS | 6198 - 11598

**RECEIVED**  
Office of the State Geologist  
10/19/2012  
WV Department of Environment