

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: 7-9-2013  
API #: 47-051-01606

Farm name: Fork Ridge MSH 201H Operator Well No.: 836575

LOCATION: Elevation: 1,391' Quadrangle: Glen Easton

District: Cameron County: Marshall  
Latitude: 7.217 Feet South of 39 Deg. 52 Min. 30 Sec.  
Longitude 11.598 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"	120'	120'	365 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	780'	780'	859 Cu. Ft.
Inspector: <b>Derek Haught</b>	9 5/8"	2,450'	2,450'	1,077 Cu. Ft.
Date Permit Issued: 12-19-2012	5 1/2"	12,337'	12,337'	2,817 Cu. Ft.
Date Well Work Commenced: 3-16-2013				
Date Well Work Completed: 4-1-2013(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): 6769				
Total Measured Depth (ft): 12337				
Fresh Water Depth (ft.): 661'				
Salt Water Depth (ft.): 1,047'				
Is coal being mined in area (N/Y)? Y				
Coal Depths (ft.): 961'				
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) Completing\* \*8-7-2013

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

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WV GEOLOGICAL SURVEY  
MORGANTOWN WV

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

7-22-2013  
Date

unnamed (0) 10-4

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

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

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MWD Gamma from 6416-12337'

**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:

TIL 6/1/2014

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

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

See attached

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

**Maximum TVD of wellbore: 6769 ft TVD @ 12337 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	943	943
PITTSBURG COAL	943	943	953	953
SHALE W/ SS	953	953	1490	1490
SS-W/SHALE & LS	1490	1490	2010	2010
BIG LIME	2010	2010	2068	2068
BIG INJUN (SS)	2068	2068	2316	2316
SHALE W/ SILTSTONE	2316	2316	6882	6641
GENESEO (SH)	6882	6641	6910	6659
TULLY (LS)	6910	6659	6951	6984
HAMILTON (SH)	6951	6984	7179	6780
MARCELLUS (SH)	7179	6780		
TD OF LATERAL			12337	6769