

**Preliminary Report**

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: 7-22-2013  
API #: 47-051-01607

Farm name: Fork Ridge MSH 3H Operator Well No.: 833651

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

District: Cameron County: Marshall  
Latitude: 3,820' Feet South of 39 Deg. 52 Min. 30 Sec.  
Longitude 9,592' 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"	790'	790'	858 Cu. Ft.
Inspector: <b>Derek Haught</b>	9 5/8"	2,425'	2,425'	965 Cu. Ft.
Date Permit Issued: 12-19-2012	5 1/2"	12,987'	12,987'	3,042 Cu. Ft.
Date Well Work Commenced: 2-3-2013				
Date Well Work Completed: 2-24-2013(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): 6,775'				
Total Measured Depth (ft): 12,994'				
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\* Estimated frac date 7-22-2013

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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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

Office of Oil and Gas  
WV Dept. of Environmental Protection  
7-23-2013  
Date



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

**Maximum TVD of wellbore: 6749 ft TVD @ 12076 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SILTSTONE/LS	0	0	959	959
PITTSBURG COAL	959	959	969	969
SHALE W/ MINOR SS	969	969	1600	1600
SHALE W/ LS	1600	1600	2020	2020
BIG LIME	2020	2020	2094	2094
BIG INJUN (SS)	2094	2094	2316	2316
SHALE W/ SS	2316	2316	6718	6641
GENESEO (SH)	6718	6641	6744	6658
TULLY (LS)	6744	6658	6783	6681
HAMILTON (SH)	6783	6681	7010	6775
MARCELLUS (SH)	7010	6775		
TD OF LATERAL			12076	6749

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