

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: 7-24-2013
API #: 47-051-01586

Farm name: Gladys Briggs MSH 8H Operator Well No.: 835559

LOCATION: Elevation: 1,396' Quadrangle: Cameron

District: Liberty County: Marshall
Latitude: 9,304' Feet South of 39 Deg. 47 Min. 30 Sec.
Longitude 12,563' Feet West of 80 Deg. 35 Min. 00 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"	117'	117'	214 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	793'	793'	892 Cu. Ft.
Inspector: Derek Haught	9 5/8"	2,640'	2,640'	1,179' Cu. Ft.
Date Permit Issued: 12-10-2012	5 1/2"	12,668'	12,668'	2,874' Cu. Ft.
Date Well Work Commenced: 3-20-2013				
Date Well Work Completed: 4-10-2013 (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): 7,146'				
Total Measured Depth (ft): 12,668'				
Fresh Water Depth (ft.): 732'				
Salt Water Depth (ft.): 1,248'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1,083'				
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*

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

*Estimated TIL 11/15/2013

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

8-9-2013
Date

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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 Yes. Resistivity and Porosity logs for freshwater analysis over surface hole, and resistivity, neutron density, and gamma ray logs were recorded over intermediate hole.

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:

Estimated frac date 8/13/2013

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

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

See attachment

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HORIZONTAL WELL (No pilot hole associated with this pad)				
Maximum TVD of wellbore:	7146 ft TVD @ 12668 ft MD			
Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS and LS	0	0	760	760
SS and SH	760	760	1083	1083
Pittsburgh Coal	1083	1083	1100	1100
SILTSTN and SH	1100	1100	2178	2178
Big Lime	2178	2178	2224	2224
Big Injun	2224	2224	2490	2490
SH and SILTSTN	2490	2490	7009	6989
Geneseo	7009	6989	7030	7006
Tully	7030	7006	7062	7031
Hamilton	7062	7031	7208	7123
Marcellus	7208	7123	7224	7129
Purcell	7224	7129		
End of Well			12668	7146

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