

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

Farm name: John Good BRK 8H Operator Well No.: 834044

LOCATION: Elevation: 1145 Quadrangle: Bethany

District: Buffalo County: Brooke  
Latitude: 10910' Feet South of 40 Deg. 15 Min. 00 Sec.  
Longitude 9510' Feet West of 80 Deg. 32 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"	125'	125'	505 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	345'	345'	392 Cu. Ft.
Inspector: <b>Bill Hendershot</b>	9 5/8"	1685'	1685'	769 Cu. Ft.
Date Permit Issued: 1-18-2012	5 1/2"	9800'	9800'	2380 Cu. Ft.
Date Well Work Commenced: 5-5-2012				
Date Well Work Completed: 8-12-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 5944'				
Total Measured Depth (ft): 9800'				
Fresh Water Depth (ft.): 300'				
Salt Water Depth (ft.): 1200'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 288'				
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) 6,176'-9,660'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow Not Tested 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

11-9-2012  
Date

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 LWD GR from 5850-9,800' 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:

(See attached)

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

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

(See attached)

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**PERFORATION RECORD ATTACHMENT**

Well Number and Name: 834044 John Good JR. BRK 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
6/29/2012	9,141	9,660	8/6/2012	9,141	9,660	Sik wtr	19,076	Sand	1,039,200	80
8/6/2012	8,847	9,085	8/7/2012	8,847	9,085	Sik wtr	9,903	Sand	541,620	80
8/7/2012	8,550	8,791	8/8/2012	8,550	8,791	Sik wtr	13,462	Sand	538,100	72
8/8/2012	8,253	8,494	8/9/2012	8,253	8,494	Sik wtr	10,042	Sand	545,280	80
8/9/2012	7,956	8,197	8/9/2012	7,956	8,197	Sik wtr	9,857	Sand	540,480	80
8/9/2012	7,659	7,900	8/9/2012	7,659	7,900	Sik wtr	10,168	Sand	542,340	80
8/9/2012	7,362	7,603	8/10/2012	7,362	7,603	Sik wtr	10,147	Sand	543,660	80
8/10/2012	7,065	7,306	8/10/2012	7,065	7,306	Sik wtr	9,976	Sand	540,980	80
8/10/2012	6,768	7,009	8/11/2012	6,768	7,009	Sik wtr	9,956	Sand	544,920	80
8/11/2012	6,472	6,713	8/11/2012	6,472	6,713	Sik wtr	9,740	Sand	541,660	80
8/11/2012	6,176	6,417	8/12/2012	6,176	6,417	Sik wtr	9,704	Sand	535,620	80

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

**Maximum TVD of wellbore: 5939 ft TVD @ 9720 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS/SH	0	0	288	288
PITTSBURG COAL	288	288	293	293
LS	293	293	420	420
SS	420	420	450	450
LS/SS	450	450	650	650
LS/SS/SH	650	650	810	810
SS/SH	810	810	1300	1300
BIG LIME	1300	1300	1390	1390
BIG INJUN (SS)	1390	1390	1510	1510
SHALE	1510	1510	5727	5688
GENESEO (SH)	5727	5688	5744	5701
TULLY (LS)	5744	5701	5833	5763
HAMILTON (SH)	5833	5763	6030	5858
MARCELLUS (SH)	6030	5858		
TD OF LATERAL			9800	5944

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MARTIN LUTHER KING, JR. BLDG.