

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

DATE: 11-16-2012  
API #: 47-069-00067

Farm name: Larry Ball OHI 5H Operator Well No.: 832770

LOCATION: Elevation: 1340' Quadrangle: Bethany

District: Liberty County: Ohio  
Latitude: 10090' Feet South of 40 Deg. 12 Min. 30 Sec.  
Longitude 15150' 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	13 3/8"	607'	607'	673 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2036'	2036'	898 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	15173'	15173'	3991 Cu. Ft.
Date Permit Issued: 1-26-2011				
Date Well Work Commenced: 12/30/2011				
Date Well Work Completed: 8-20-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6266'				
Total Measured Depth (ft): 15176'				
Fresh Water Depth (ft.): 100'				
Salt Water Depth (ft.): 1545'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 547'				
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) 6,900-15,031  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 2075\* MCF/d Final open flow 277 Bbl/d  
 Time of open flow between initial and final tests 50 Hours \*Calculated  
 Static rock Pressure 4035\* 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

11-19-2012  
Date

12/14/2012

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**PERFORATION RECORD ATTACHMENT**

**Well Number and Name: 832770 Larry Ball OHI 5H**

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
7/16/2012	14,486	15,031	8/2/2012	14,486	15,031	Sik wtr	11,360	Sand	635,760	79.8
8/2/2012	13,855	14,399	8/3/2012	13,855	14,399	Sik wtr	11,444	Sand	631,300	79.7
8/3/2012	13,223	13,767	8/4/2012	13,223	13,767	Sik wtr	11,714	Sand	631,380	79.9
8/4/2012	12,591	13,134	8/7/2012	12,591	13,134	Sik wtr	11,171	Sand	625,760	77.4
8/7/2012	11,958	12,502	8/8/2012	11,958	12,502	Sik wtr	11,270	Sand	631,680	79.7
8/9/2012	11,326	11,865	8/10/2012	11,326	11,865	Sik wtr	11,266	Sand	628,780	77.5
8/10/2012	10,694	11,238	8/12/2012	10,694	11,238	Sik wtr	11,350	Sand	627,820	79.8
8/12/2012	10,062	10,605	8/14/2012	10,062	10,605	Sik wtr	11,110	Sand	627,120	77.7
8/14/2012	9,420	9,973	8/15/2012	9,420	9,973	Sik wtr	11,144	Sand	629,220	79.6
8/15/2012	8,797	9,335	8/16/2012	8,797	9,335	Sik wtr	12,386	Sand	630,480	79.8
8/16/2012	8,165	8,709	8/17/2012	8,165	8,709	Sik wtr	11,071	Sand	630,920	79.5
8/18/2012	7,532	8,076	8/19/2012	7,532	8,076	Sik wtr	10,894	Sand	631,240	79.4
8/19/2012	6,900	7,444	8/20/2012	6,900	7,444	Sik wtr	11,274	Sand	630,440	80

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

**Maximum TVD of wellbore: 6266 ft TVD @ 8277 ft MD**

<b>Formation/Lithology</b>	<b>Top Depth, MD (ft)</b>	<b>Top Depth, TVD (ft)</b>	<b>Bottom Depth, MD (ft)</b>	<b>Bottom Depth, TVD (ft)</b>
LS/SS	0	0	547	547
PITTSBURG COAL	547	547	557	557
SS/LS	557	557	580	580
SS	580	580	610	610
SH	610	610	670	670
SS	670	670	730	730
LS/SS	730	730	910	910
LS	910	910	972	972
LS/SS	972	972	1160	1160
SS	1160	1160	1390	1390
SS/SH	1390	1390	1670	1670
BIG INJUN (SS)	1670	1670	1887	1887
SHALE	1887	1887	6279	6065
GENESEO (SH)	6279	6065	6302	6083
TULLY (LS)	6302	6083	6369	6134
HAMILTON (SH)	6369	6134	6811	6229
MARCELLUS (SH)	6811	6229		
TD OF LATERAL			15176	6179