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

Farm name: Larry Ball OHI 5H	Operator Well	l No.: 832770			
LOCATION: Elevation: 1340'	Quadrangle: _	Bethany			
District: Liberty	County: Ohio				
Latitude: 10090' Feet South of 40 Deg.	12 Min				
Longitude 15150' Feet West of 80 Deg.	32 Min	. <u>30</u> Sec	.		
Company: Chesapeake Appalachia, L.L.C.					
Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
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 Cable Rig					
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 formation	ons please inclu	de additional d	ata on senarate s	heet)	
	zone depth (ft)_6		on copulate s		
Gas: Initial open flowMCF/d Oil: Initial open fl		bl/d			
Final open flow 2075* MCF/d Final open flow	, 277 Bb	l/d			

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.

Hours

Marley Welli ams
Signature

Time of open flow between initial and final tests 50

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

11-19-201 d

140

Were core samples taken? YesNo_X	Were cutting	ngs caught during drilli	ing? Yes	_No_X
Were Electrical, Mechanical or Geophysical logs re	ecorded on this well? If yes,	please list LWD GR	from 5734' -	15119' MD
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSIC DETAILED GEOLOGICAL RECORD OF TO COAL ENCOUNTERED BY THE WELLBOR	AL CHANGE, ETC. 2). T THE TOPS AND BOTTO	HE WELL LOG WH DMS OF ALL FOR	HICH IS A SY	STEMATIC
Perforated Intervals, Fracturing, or Stimulating:				
See attached)				
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Plug Back Details Including Plug Type and Depth(s	s):			
Formations Encountered: Surface:	Top Depth	1	Bottom D	epth
See attached)				
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				·
·				
				Type Special S
				,

PERFORATION RECORD ATTACHMENT

Well Number and Name: 832770 Larry Ball OHI 5H

PERFORATION RECORD		STIMULATION RECORD								
	Interval F	Perforated				F	luid	Proppi	ing Agent	Average
Date	From	То	Date	Interval	Treated	Туре	Amount	Туре	Amount	Injection
7/16/2012	14,486	15,031	8/2/2012	14,486	15,031	Slk wtr	11,360	Sand	635,760	79.8
8/2/2012	13,855	14,399	8/3/2012	13,855	14,399	Slk wtr	11,444	Sand	631,300	79.7
8/3/2012	13,223	13,767	8/4/2012	13,223	13,767	Slk wtr	11,714	Sand	631,380	79.9
8/4/2012	12,591	13,134	8/7/2012	12,591	13,134	Slk wtr	11,171	Sand	625,760	77.4
8/7/2012	11,958	12,502	8/8/2012	11,958	12,502	Slk wtr	11,270	Sand	631,680	79.7
8/9/2012	11,326	11,865	8/10/2012	11,326	11,865	Slk wtr	11,266	Sand	628,780	77.5
8/10/2012	10,694	11,238	8/12/2012	10,694	11,238	Slk wtr	11,350	Sand	627,820	79.8
8/12/2012	10,062	10,605	8/14/2012	10,062	10,605	Slk wtr	11,110	Sand	627,120	77.7
8/14/2012	9,420	9,973	8/15/2012	9,420	9,973	Slk wtr	11,144	Sand	629,220	79.6
8/15/2012	8,797	9,335	8/16/2012	8,797	9,335	Slk wtr	12,386	Sand	630,480	79.8
8/16/2012	8,165	8,709	8/17/2012	8,165	8,709	Slk wtr	11,071	Sand	630,920	79.5
8/18/2012	7,532	8,076	8/19/2012	7,532	8,076	Slk wtr	10,894	Sand	631,240	79.4
8/19/2012	6,900	7,444	8/20/2012	6,900	7,444	Slk wtr	11,274	Sand	630,440	80
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LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

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

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
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