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#:	47-069-00104

Farm name: Larry Ball OHI 3H LOCATION: Elevation: 1340'		Operator Well No.: 834228 Quadrangle: Bethany				
	Latitude: 10090' Feet South of 40 Deg.		1. ³⁰ Se	c.	· · · · · · · · · · · · · · · · · · ·	
	Longitude 16150' Feet West of 80 Deg.	32 Mir	1. 30 Se	c.		
	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"	610'	610'	707 Cu. Ft.	
	Agent: Eric Gillespie	9 5/8"	2025'	2025'	943 Cu. Ft.	
	Inspector: Bill Hendershot	5 1/2"	14698'	14698'	4861 Cu. Ft.	
	Date Permit Issued: 11-17-2011					
	Date Well Work Commenced: 1-13-2012					
	Date Well Work Completed: 8-20-2012					
	Verbal Plugging:					
	Date Permission granted on:					
	Rotary Cable Rig					
	Total Vertical Depth (ft): 6272'					
	Total Measured Depth (ft): 14699'					
	Fresh Water Depth (ft.): 100', 376'					
	Salt Water Depth (ft.): 1545'					
	Is coal being mined in area (N/Y)? N					
	Coal Depths (ft.): 549'	-				
	Void(s) encountered (N/Y) Depth(s) N		:			
]	EN FLOW DATA (If more than two producing formation Producing formation Pay 2	zone depth (ft)	6,700-14,559	ata on separate s	heet)	
C	Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow Not Tested MCF/d Final open flow			#/ s -4 %		
	Time of open flow between initial and final tests					
S	Static rock Pressure psig (surface pressure) af					
		1 1 (0)		741		
	Second producing formation Pay zon					
(Gas: Initial open flowMCF/d Oil: Initial open flowMCF/d Final open flowMCF/d Final open flow					
	Time of open flow between initial and final tests					
S	Static rock Pressure psig (surface pressure) af					

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.

Were core samples taken? YesNo_X	Were cuttings caught d	luring drilling? Yes	No_X
Were Electrical, Mechanical or Geophysical logs reco	rded on this well? If yes, please list_	_WD GR from 5657' to	o 14699' MD
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSICAL DETAILED GEOLOGICAL RECORD OF TH COAL ENCOUNTERED BY THE WELLBORE	L CHANGE, ETC. 2). THE WELL E TOPS AND BOTTOMS OF A	LOG WHICH IS A SALL FORMATIONS,	YSTEMATIC
Perforated Intervals, Fracturing, or Stimulating:			
(See attached)			
			
Plug Back Details Including Plug Type and Depth(s):			
Formations Encountered: Surface:	Top Depth /	Bottom 1	<u>Depth</u>
See attached)			
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PERFORATION RECORD ATTACHMENT

Well Number and Name: 834228 Larry Ball OHI 3H

PERFORATION RECORD			STIMULATION RECORD							
Interval Perforated				Fluid		Propping Agent		Average		
Date	From	То	Date	Interval	Treated	Туре	Amount	Туре	Amount	Injection
7/12/2012	14,045	14,559	8/1/2012	14,045	14,559	Slk wtr	12,690	Sand	713,580	79.8
8/3/2012	13,433	13,956	8/4/2012	13,433	13,956	Slk wtr	12,904	Sand	722,140	79.9
8/4/2012	12,821	13,344	8/4/2012	12,821	13,344	Slk wtr	12,724	Sand	725,800	79.8
8/5/2012	12,209	12,732	8/7/2012	12,209	12,732	Slk wtr	14,179	Sand	727,340	77.8
8/7/2012	11,597	12,130	8/9/2012	11,597	12,130	Slk wtr	12,855	Sand	725,440	78.1
8/9/2012	10,985	11,508	8/10/2012	10,985	11,508	Sik wtr	12,785	Sand	727,380	79.9
8/10/2012	10,366	10,889	8/12/2012	10,366	10,889	Slk wtr	12,824	Sand	725,600	78.3
8/12/2012	9,760	10,284	8/13/2012	9,760	10,284	Sik wtr	12,637	Sand	718,480	79.7
8/13/2012	9,148	9,672	8/15/2012	9,148	9,672	Slk wtr	12,581	Sand	726,020	78.2
8/15/2012	8,536	9,060	8/16/2012	8,536	9,060	Slk wtr	12,667	Sand	726,440	79.4
8/17/2012	7,924	8,442	8/18/2012	7,924	8,442	Slk wtr	12,699	Sand	726,420	80
8/18/2012	7,312	7,836	8/19/2012	7,312	7,836	Slk wtr	12,517	Sand	722,960	79.6
8/19/2012	6,700	7,223	8/20/2012	6,700	7,223	Slk wtr	12,645	Sand	726,200	80
		ta.								
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LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6272 ft TVD @ 6558 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	549	549
PITTSBURG COAL	549	549	557	557
SS/SH	557	557	730	730
SS/LS	730	730	850	850
SS/LS/SH	850	850	880	880
SS/SH	880	880	930	930
SHALE	930	930	970	970
SH/LS	970	970	1030	1030
SS/SH/LS	1030	1030	1060	1060
SS/SH	1060	1060	1090	1090
SS	1090	1090	1300	1300
SS/SH	1300	1300	1420	1420
SS	1420	1420	1480	1480
SS/SH	1480	1480	1540	1540
SS/LS/SH	1540	1540	1610	1610
BIG INJUN (SS)	1610	1610	1880	1880
SHALE	1880	1880	6070	6048
GENESEO (SH)	6070	6048	6095	6068
TULĻY (LS)	6095	6068	6164	6122
HAMILTON (SH)	6164	6122	6352	6221
MARCELLUS (SH)	6352	6221		
TD OF LATERAL			14699	6154