WR-35 Rev (9-11)

State of West Virginia

	10-15-2012	<u>.</u>
API #:	47-009-00115	

11/09/2012

Department of Environmental Protect	tio
Office of Oil and Gas	
Well Operator's Report of Well Wo	rk

- Duffele	O . D	ka		
District: Buffalo Latitude: 8470' Feet South of 40 Deg.	County: Broo	1. ⁰⁰ Sec		
Latitude: 8470' Feet South of 40 Deg. Longitude 1320' Feet West of 80 Deg		1. 30 Sec		
Longitude	··		•	
Chesapeake Appalachia, L.L.C.				
Company:	Casing &	Used in	Left in well	Cement fill
Address: P.O. Box 18496	Tubing	drilling		up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	326'	326'	426 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	1719'	1719	797 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	11607'	11607'	2513 Cu. Ft.
Date Permit Issued: 1-18-2012				
Date Well Work Commenced: 4-5-2012				
Date Well Work Completed: 7-15-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 5897'				
Total Measured Depth (ft): 11612'				
Fresh Water Depth (ft.): 71', 248'				<u> </u>
Salt Water Depth (ft.): 1220'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 305'				
Void(s) encountered (N/Y) Depth(s) Y 305'				
N FLOW DATA (If more than two producing formation)	tions please incl	ude additional o	lata on separate	sheet)
	y zone depth (ft)		-	
Gas: Initial open flowMCF/d Oil: Initial open		Bbl/d		
Final open flow 1,628* MCF/d Final open flow		Bbl/d		
Time of open flow between initial and final tests 37		rs *Calculated		A 40
Static rock Pressure 3,790* psig (surface pressure)	afterHo	urs		of the state of th
Second producing formation Pay 2	zone depth (ft)			
Gas: Initial open flowMCF/d Oil: Initial open	• • •	Bbl/d		***
Final open flow MCF/d Final open flor		Bbl/d		
Time of open flow between initial and final tests		rs		v. ^{Pr}
Static rock Pressure psig (surface pressure)		ours		
y under penalty of law that I have personally examine				

Were core samples taken? Yes ?	10 N	ere cuttings caught during dr	rilling? Yes <u>Y</u> No	
Were Electrical, Mechanical or Geophysic GR MWD FROM 5000° TO 11549°	cal logs recorded on this well	? If yes, please list		
NOTE: IN THE AREA BELOW FRACTURING OR STIMULATING, DETAILED GEOLOGICAL RECOI COAL ENCOUNTERED BY THE WI	PHYSICAL CHANGE, ET	CC. 2). THE WELL LOG V BOTTOMS OF ALL FO	WHICH IS A SYSTE	EMATIC
Perforated Intervals, Fracturing, or Stimu	lating:			
(See attached)				
·				
Plug Back Details Including Plug Type and	nd Depth(s):			
Formations Encountered: Surface:	Top Depth	I	Bottom Depth	<u>l</u>
(See attached)				
				
			(4.6°	
				jagh ^{ari} jag

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

Maximum TVD of wellbore: 5897 ft TVD @ 11549 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	305	305
PITTSBURG COAL	305	305	311	311
SS/LS	311	311	628	628
SHALE	628	628	838	838
SS/SH	838	838	1375	1375
BIG INJUN SS	1375	1375	1575	1575
SHALE	1575	1575	5731	5684
GENESEO (SH)	5731	5684	5749	5696
TULLY (LS)	5749	5696	6074	5853
MARCELLUS (SH)	6074	5853		
TD OF LATERAL			11549	5831

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834168 Alan H Degarmo BRK 3H

PERFO	PRATION RE	CORD	STIMULATION RECORD							
	Interval P	erforated	Fluid Propping		ing Agent					
Date	From	То	Date	Interval	Treated	Type	Amount	Туре	Amount	Injection
6/21/2012	10,884	11,477	7/12/2012	10,884	11,477	Slk wtr	12,311	Sand	664,880	85
7/12/2012	10,208	10,801	7/12/2012	10,208	10,801	Sik wtr	12,671	Sand	664,900	85
7/12/2012	9,532	10,124	7/13/2012	9,532	10,124	Slk wtr	12,491	Sand	665,520	83
7/13/2012	8,855	9,448	7/13/2012	8,855	9,448	Slk wtr	12,493	Sand	665,060	84
7/13/2012	8,179	8,771	7/14/2012	8,179	8,771	Sik wtr	12,126	Sand	666,040	86
7/14/2012	7,503	8,095	7/14/2012	7,503	8,095	Sik wtr	12,130	Sand	665,920	84
7/14/2012	6,826	7,419	7/14/2012	6,826	7,419	Sik wtr	11,947	Sand	684,060	86
7/14/2012	6,150	6,742	7/15/2012	6,150	6,742	Sik wtr	12,120	Sand	676,600	85
							<u></u>			
			1							<u> </u>
							<u> </u>			
						L				
			<u> </u>							
							1		!	
		l	i i		ŀ	l	1	1	Į.	I