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:	12-18-2012	
API#:	47-009-00110	

TION: Elevation: 1280'	Quadrangle:	bemany ww				
District: Buffalo		County: Brooke				
		. <u>12 Min. ³⁰ Sec.</u>				
Longitude 10640' Feet West of 80 D	eg. 30 Min	n. 00 See	С.			
Company: Chesapeake Appalachia, L.L.C.						
Company: Chesapeake Apparachia, E.E.C.	Casing &	Used in	Left in well	Cement		
Address: P.O. Box 18496	Tubing	drilling	Deit in wen	up Cu. F		
Oklahoma City, OK 73154-0496	20"	105'	105'	437 Cı		
Agent: Eric Gillespie	13 3/8"	673'	673'	791 Cu		
Inspector: Bill Hendershot	9 5/8"	2067'	2067'	881 Cu		
Date Permit Issued: 11-16-2011	5 1/2"	11425'	11425'	2722 C		
Date Well Work Commenced: 7-6-2012						
Date Well Work Completed: 9-23-2012						
Verbal Plugging:						
Date Permission granted on:						
Rotary Cable Rig						
Total Vertical Depth (ft): 6423'						
Total Measured Depth (ft): 11425'						
Fresh Water Depth (ft.): 175'						
Salt Water Depth (ft.): 1260'						
Is coal being mined in area (N/Y)? N						
Coal Depths (ft.): 613'						
Void(s) encountered (N/Y) Depth(s) N						
N FLOW DATA (If more than two producing form			lata on separate s	sheet)		
Producing formation Marcellus Producing formation Marcellus Producing formation MCF/d Oil: Initial open	ay zone depth (ft)	Bbl/d				
Final open flow 1,327* MCF/d Final open		bl/d				
Time of open flow between initial and final tests		s *Calculat	:ed			
tatic rock Pressure 4,119* psig (surface pressure						
· · · · · · · · · · · · · · · · · · ·						
econd producing formationPay	zone depth (ft)_ en flowF	 Bbl/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.

Marley Welliams
Signature

2-21-2012 Date

Were core samples taken? YesNo_N	Were cu	ttings caught during drilli	ng? Yes Y No
Were Electrical, Mechanical or Geophysical logs recoropen hole logs run from 55-2080' MD; LWD GR from 5700-11425' MD.	ded on this well? If y	es, please list GR, neutro	on, density, and resistivity
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSICAL DETAILED GEOLOGICAL RECORD OF THE COAL ENCOUNTERED BY THE WELLBORE F	CHANGE, ETC. 2) E TOPS AND BOT	. THE WELL LOG WI TOMS OF ALL FOR	HICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimulating:			
See attached			
	<u> </u>		
Plug Back Details Including Plug Type and Depth(s):	· · · · · · · · · · · · · · · · · · ·		
Formations Encountered: Surface:	Top Depth	/	Bottom Depth
See attached			
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PERFORATION RECORD ATTACHMENT

Well Number and Name: 833979 Sandra Parr BRK 3H

PERFORATION RECORD		STIMULATION RECORD								
	Interval F	Perforated				F	luid	Proppi	ing Agent	Average
Date	From	То	Date	Interval	Treated	Type	Amount	Туре	Amount	Injection
8/4/2012	10,731	11,294	9/19/2012	10,731	11,294	Slk wtr	13,711	Sand	804,140	79.4
9/19/2012	10,204	10,658	9/20/2012	10,204	10,658	Slk wtr	13,047	Sand	809,660	80
9/20/2012	9,660	10,105	9/20/2012	9,660	10,105	Slk wtr	14,607	Sand	805,140	77
9/21/2012	9,099	9,553	9/21/2012	9,099	9,553	Slk wtr	12,636	Sand	805,780	79.8
9/21/2012	8,542	9,001	9/21/2012	8,542	9,001	Slk wtr	12,680	Sand	804,680	79.9
9/22/2012	7,995	8,449	9/22/2012	7,995	8,449	Slk wtr	12,870	Sand	803,440	79.2
9/23/2012	7,442	7,896	9/23/2012	7,442	7,896	Slk wtr	13,766	Sand	806,220	78.9
9/23/2012	6,890	7,344	9/23/2012	6,890	7,344	Slk wtr	13,305	Sand	807,780	78.7
	,						-			
	,									

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

Maximum TVD of wellbore: 6423 ft TVD @ 7906 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	350	350
SHALE	350	350	613	613
PITTSBURG COAL	613	613	621	621
SHALE	621	621	700	700
SS	700	700	1200	1200
SS/LS	1200	1200	1320	1320
SS	1320	1320	1650	1650
BIG LIME	1650	1650	1770	1770
BIG INJUN (SS)	1770	1770	1967	1967
SHALE	1967	1967	6257	6216
GENESEO (SH)	6257	6216	6281	6233
TULLY (LS)	6281	6233	6348	6276
HAMILTON (SH)	6348	6276	6678	6398
MARCELLUS (SH)	6678	6398		
TD OF LATERAL			11425	6337