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:	9-26-2012	,
API#:	47-009-00105	

arm name: Brooke County Parks BRK 3H		Operator Well No.: 833685				
CATION: Elevation: 1206'	Quadrangle:	Quadrangle: Steubenville East				
District: Buffalo	County: Broo	cke	-			
Latitude: 1750' Feet South of 40 D				 .		
Longitude 11340' Feet West of 80 D		n. 30 Se				
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"	357'	357'	409 Cu. Ft.		
Agent: Eric Gillespie	9 5/8"	1576'	1576'	785 Cu. Ft.		
Inspector: Bill Hendershot	5 1/2"	9283'	9283'	2245 Cu. Ft.		
Date Permit Issued: 7-26-2011						
Date Well Work Commenced: 11-6-2011						
Date Well Work Completed: 6-29-2012						
Verbal Plugging:				 		
Date Permission granted on:				 		
Rotary Cable Rig						
Total Vertical Depth (ft): 5915'						
Total Measured Depth (ft): 9287'						
Fresh Water Depth (ft.): 73', 250'						
Salt Water Depth (ft.): 1126'						
Is coal being mined in area (N/Y)? N						
Coal Depths (ft.): 319'						
Void(s) encountered (N/Y) Depth(s) N						
Producing formation Marcellus Pa Gas: Initial open flow MCF/d Final open flow 1,653* MCF/d Final open flow time of open flow between initial and final tests 55	y zone depth (ft) 6 n flowBl owBb	3,145'-9,155' bl/d	ata on separate sh	neet)		
Static rock Pressure 3.825* psig (surface pressure)	afterHou		me/e	HE INC.		
Second producing formation Pay a Gas: Initial open flow MCF/d Oil: Initial open Final open flow MCF/d Final open flow initial and final tests	flowBb	DI/d I/d	SEP ?	g 201 2		
Static rock Pressurepsig (surface pressure)	after Hour		nvironnen	Gerre		

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.

Martine Williams

9-27-2012 Date 12/14/2012

Were core samples taken? YesNo	Were cuttings caught dur	ring drilling? Yes	No_X
Were Electrical, Mechanical or Geophysical logs reco	rded on this well? If yes, please list Gl	R LWD from 5,295' -	9,226' 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 I E TOPS AND BOTTOMS OF AI	LOG WHICH IS A SY LL FORMATIONS, I	STEMATIC
Perforated Intervals, Fracturing, or Stimulating:			
(See Attached)			
Plug Back Details Including Plug Type and Depth(s):			
Formations Encountered: Surface:	Top Depth /	Bottom D	<u>Pepth</u>
See Attached)			
			- -

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833685 Brooke County Parks BRK 3H

PERFORATION RECORD		STIMULATION RECORD								
		erforated				F	luid	Propp	ing Agent	Average
Date	From	To	Date	Interval	Treated	Туре	Amount	Туре	Amount	Injection
6/1/2012	8,625	9,155	6/21/2012	8,625	9,155	Slk wtr	12,697	Sand	619,760	80
6/22/2012	8,006	8,536	6/26/2012	8,006	8,536	Slk wtr	12,897	Sand	620,080	79.8
6/26/2012	7,350	7,917	6/26/2012	7,350	7,917	Slk wtr	17,133	Sand	618,220	79.8
6/27/2012	6,769	7,299	6/27/2012	6,769	7,299	Slk wtr	12,382	Sand	620,020	80
6/27/2012	6,145	6,680	6/29/2012	6,145	6,680	Slk wtr	12,445	Sand	624,100	79.9

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

Maximum TVD of wellbore: 5915 ft TVD @ 6648 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS	0	0	250	250
LS/SS	250	250	319	319
PITTSBURG COAL	319	319	327	327
SS	327	327	1350	1350
BIG INJUN (SS)	1350	1350	1606	1606
SHALE	1606	1606	5758	5724
GENESEO (SH)	5758	5724	5774	5736
TULLY (LS)	5774	5736	5861	5796
HAMILTON (SH)	5861	5796	6140	5896
MARCELLUS (SH)	6140	5896		
TD OF LATERAL			9287	5884