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:	2-1-2012	
API #:	47-009-00092	REVISED

TION: Elevation: 1270'	Quadrangle:	Operator Well No.: 1H Quadrangle: Bethany, WV				
District: Buffalo				·····		
		County: Brooke 12 Min. 30 Sec.				
		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	20"	82'	82'	Driven		
Agent: Eric Gillespie	13 3/8"	547'	547'	628 cf		
Inspector: Bill Hendershot	9 5/8"	1977'	1977'	900 cf		
Date Permit Issued: 3/30/2011	5 1/2"	13260'	13260'	2655 cf		
Date Well Work Commenced: 4/9/2011	:					
Date Well Work Completed: 11/16/2011						
Verbal Plugging:						
Date Permission granted on:						
Rotary Cable Rig						
Total Vertical Depth (ft): 6,081						
Total Measured Depth (ft): 13,260'						
Fresh Water Depth (ft.): 175'	· · · · · · · · · · · · · · · · · · ·					
Salt Water Depth (ft.): 1271'						
Is coal being mined in area (N/Y)? N						
Coal Depths (ft.): 500'						
Void(s) encountered (N/Y) Depth(s) Y 470'						
void(s) encountered (1v 1) Depin(s)	<u> </u>		- <u></u> l			
EN FLOW DATA (If more than two producing forma	_		lata on separate s	sheet)		
Producing formation Marcellus Pa						
Gas: Initial open flow 0 MCF/d Oil: Initial open						
Final open flow MCF/d Final open fl			K.J.			
Time of open flow between initial and final tests						
Static rock Pressure 3,953 psig (surface pressure)	arterHot	ırs	Offic,	- W		
Second producing formation Pay 2	zone depth (ft)	•				
Gas: Initial open flow MCF/d Oil: Initial open		bl/d	,	MAR 20 2012 Department of Immental Protect		
Final open flow MCF/d Final open fl				negatinetii o		
Time of open flow between initial and final tests			See the second of the	arantal Profect		
Static rock Pressure psig (surface pressure)			Enviro	18 88 8 5 mm.		

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.

Malere Williams
Signature

3-16-2012

04/13/2012

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity span beta logs and from 0.03467 MD. LVO GR from 5667-13206 MD. NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2), THE WELL LOG WHICH IS A SYSTEMATIC COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH. Perforated Intervals, Fracturing, or Stimulating: (See Attached) Plug Back Details Including Plug Type and Depth(s): Cerment @ 13,152.93 Formations Encountered: Top Depth Bottom Depth Surface:	Were core samples taken? Yes	No_N	Were cu	ttings caught during	g drilling? Yes <u>Y</u>	No
FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH. Perforated Intervals, Fracturing, or Stimulating: (See Attached) Plug Back Details Including Plug Type and Depth(s): Cement @ 13,152.93 Formations Encountered: Top Depth Bottom Depth Surface:	Were Electrical, Mechanical or Geopen hole logs run from 0-6240' MD; LWD GR	ophysical logs recorder from 5847-13206' MD.	d on this well? If y	es, please list GR, 1	neutron, density	, and resistivity
Plug Back Details Including Plug Type and Depth(s): Cement @ 13,152.93 Formations Encountered: Top Depth / Bottom Depth Surface:	FRACTURING OR STIMULATED GEOLOGICAL R	TING, PHYSICAL C RECORD OF THE	HANGE, ETC. 2). TOPS AND BOT	. THE WELL LO TOMS OF ALL	G WHICH IS A FORMATIONS	SYSTEMATIC
Plug Back Details Including Plug Type and Depth(s): Cement @ 13,152.93 Formations Encountered: Top Depth / Bottom Depth Surface:	Perforated Intervals, Fracturing, or	Stimulating:				
Formations Encountered: Top Depth / Bottom Depth Surface: Top Depth / Bottom Depth Surface: Top Depth / Bottom Depth Surface:	(See Attached)					
Formations Encountered: Top Depth / Bottom Depth Surface: Top Depth / Bottom Depth Surface: Top Depth / Bottom Depth Surface:						
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PECELVE GAS		<u> </u>	Γορ Depth	/	Bottor	n Depth
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Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
LS/SHALE	0	500
Pittsburg Coal	500	510
LS/SHALE	510	750
SHALE	750	1050
SS/SHALE	1050	1150
SS	1150	1400
SHALE	1400	1515
Big Lime	1515	1537
Big Injun	1537	1807
SHALE	1807	6304
Geneseo	6304	6330
Tully	6330	6354
Hamilton	6354	6163
Marcellus	6163	13260

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WV Department of Environmental Protection

PERFORATION RECORD ATTACHMENT

Well Name and Number: John Hupp 1H (833119)

PERFORATION RECORD		STIMULATION RECORD								
	Interval P	erforated			Fluid		Propping Agent		Average	
Date	From	То	Date	Interval	Treated	Туре	Amount	Туре	Amount	Injection
11/9/2011	12,724	13,106	11/9/2011	12,724	13,106	Slk Wtr	9,166	Sand	572,800	83
11/9/2011	12,249	12,631	11/9/2011	12,249	12,631	Slk Wtr	10,327	Sand	573,340	75
11/9/2011	11,774	12,156	11/9/2011	11,774	12,156	Slk Wtr	9,108	Sand	572,140	84
11/10/2011	11,299	11,681	11/10/2011	11,299	11,681	Slk Wtr	12,518	Sand	570,100	79
11/10/2011	10,824	11,206	11/10/2011	10,824	11,206	Slk Wtr	9,654	Sand	573,500	85
11/10/2011	10,349	10,731	11/10/2011	10,349	10,731	Slk Wtr	9,693	Sand	568,940	85 _
11/13/2011	9,874	10,270	11/13/2011	9,874	10,270	Slk Wtr	7,005	Sand	327,580	75
11/15/2011	9,399	9,781	11/15/2011	9,399	9,781	Slk Wtr	11,074	Sand	574,300	79
11/15/2011	8,924	9,306	11/15/2011	8,924	9,306	Slk Wtr	9,455	Sand	569,260	85
11/15/2011	8,449	8,831	11/15/2011	8,449	8,831	Slk Wtr	9,445	Sand	569,500	85
11/16/2011	7,974	8,356	11/16/2011	7,974	8,356	Slk Wtr	9,457	Sand	583,840	86
11/16/2011	7,499	7,881	11/16/2011	7,499	7,881	Slk Wtr	9,166	Sand	582,020	85
11/16/2011	7,024	7,406	11/16/2011	7,024	7,406	Slk Wtr	9,467	Sand	597,260	88
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