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:	9-12-2012	
API#:	47-009-00104	

ΓΙΟΝ: Elevation: 1150'	Quadrangle:	Bethany					
District: Buffalo	County: Broo	County- Brooke					
Latitude: 5310' Feet South of 40 Deg	g. <u>15</u> Mir	n. 00 Se					
Longitude 11290' Feet West of 80 De	eg. <u>35</u> Mir	n. <u>00</u> 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	20"	102'	102'	477 Cu. Ft.			
Agent: Eric Gillespie	13 3/8"	331'	331'	421 Cu. Ft.			
Inspector: Bill Hendershot	9 5/8"	1665'	1665'	763 Cu. Ft.			
Date Permit Issued: 7-12-2011	5 1/2"	11003'	11003'	2846 Cu. Ft			
Date Well Work Commenced: 10-2-2011							
Date Well Work Completed: 10-26-2011							
Verbal Plugging:							
Date Permission granted on:							
Rotary Cable Rig							
Total Vertical Depth (ft): 5882' (cement plug @ 5074-586	6')						
Total Measured Depth (ft): 11003'		,					
Fresh Water Depth (ft.): 61', 200'							
Salt Water Depth (ft.): 1146'							
Is coal being mined in area (N/Y)? N							
Coal Depths (ft.): 230'							
Void(s) encountered (N/Y) Depth(s) Y 230'							
N FLOW DATA (If more than two producing formation Marcellus Par	-		ata on separate s	heet)			
as: Initial open flow MCF/d Oil: Initial open	,		F	CONVE			
Final open flow Not Tested MCF/d Final open flow	owBl	ol/d		was trad from \$ \$ for			
Time of open flow between initial and final tests			S	EP 18 2012			
tatic rock Pressurepsig (surface pressure)			WVGE	OLOGICAL SUI ROANTOWN, WA			
econd producing formation Pay z				THE OWN, W.			
as: Initial open flowMCF/d Oil: Initial open Final open flowMCF/d Final open flow							

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.

Madone Wie Conso Signature

1-14-201) Date

Were core samples taken? YesNo_X	We	ere cuttings caught durin	g drilling? Yes	No_X
Were Electrical, Mechanical or Geophysical lo open hole logs run from 0' - 5,888' MD; sonic log from 4,691' - 5	gs recorded on this well? 5,888' MD; LWD GR from 4,928' -1	If yes, please list GR, 0,998' MD.	neutron, density, a	and resistivity
NOTE: IN THE AREA BELOW PUT FRACTURING OR STIMULATING, PHY DETAILED GEOLOGICAL RECORD O COAL ENCOUNTERED BY THE WELLE	SICAL CHANGE, ET OF THE TOPS AND	C. 2). THE WELL LO BOTTOMS OF ALL	G WHICH IS A S' FORMATIONS,	YSTEMATIC
Perforated Intervals, Fracturing, or Stimulating	:			
(See Attached)				
Plug Back Details Including Plug Type and De	pth(s): Cement plug	@ 5074' - 5866'		
,				
Formations Encountered: Surface:	Top Depth	/	Bottom I	<u>Depth</u>
(See Attached)				
(Oee Allacheu)				
		-		
				2004 C C C C C C C C C C C C C C C C C C
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			have been superior	
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PERFORATION RECORD ATTACHMENT

Well Number and Name: 833484 Robert Bone BRK 3H

PERFORATION RECORD		STIMULATION RECORD								
	Interval F	Perforated				F	luid	Propping Agent		Average
Date	From	То	Date	Interval	Treated	Type	Amount	Туре	Amount	Injection
6/3/2012	10,328	10,867	6/14/2012	10,328	10,867	Slk wtr	10,921	Sand	601,560	79.3
6/14/2012	9,747	10,268	6/15/2012	9,747	10,268	Slk wtr	10,643	Sand	597,940	79.3
6/15/2012	9,147	9,668	6/15/2012	9,147	9,668	Slk wtr	10,829	Sand	599,740	80
6/15/2012	8,546	9,068	6/16/2012	8,546	9,068	Slk wtr	10,801	Sand	600,420	79.6
6/16/2012	7,948	8,469	6/16/2012	7,948	8,469	Slk wtr	10,801	Sand	602,380	79.7
6/16/2012	7,349	7,869	6/16/2012	7,349	7,869	Slk wtr	10,795	Sand	598,460	80
6/16/2012	6,749	7,270	6/17/2012	6,749	7,270	Slk wtr	10,730	Sand	599,440	79.5
6/17/2012	6,150	6,670	6/17/2012	6,150	6,670	Slk wtr	10,815	Sand	604,080	78.8

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VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
LS/SHALE	0	230
PITTSBURG COAL	230	235
LS/SILTSTONE	235	400
SS	400	490
SHALE	490	610
SS/SHALE	610	1270
BIG LIME (LS)	1270	1300
BIG INJUN (SS)	1300	1574
SHALE/SS	1574	3700
SHALE	3700	5640
GENESEO (SH)	5640	5654
TULLY (LS)	5654	5710
HAMILTON (SH)	5710	5802
MARCELLUS (SH)	5802	5860
ONONDAGA (LS)	5862	
TD OF PILOT HOLE		5882

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)	
LS/SHALE	0	0	230	230	
PITTSBURG COAL	230	230	235	235	
LS/SILTSTONE	235	235	400	400	
SS	400	400	490	490	
SHALE	490	490	610	610	
SS/SHALE	610	610	1270	1270	
BIG LIME (LS)	1270	1270	1383	1383	
BIG INJUN (SS)	1383	1383	1574	1574	
SHALE/SS	1574	1574	3700	3700	
SHALE	3700	3700	5670	5637	
GENESEO (SH)	5670	5637	5684	5648	
TULLY (LS)	5684	5648	5768	5706	
HAMILTON (SH)	5768	5706	5956	5794	
MARCELLUS (SH)	5956	5794			
TD OF LATERAL			11003	5759	

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