WR-35 Rev (8-10)

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

DATE:	6-21-2011
API#:	47-103-02480

rm name: Rine 3H	Operator Wel	l No.: 627391			
OCATION: Elevation: 1341'	Quadrangle: 438-Littleton				
District: 1-Center	County: 103-\	Netzel			
Latitude: 7330' Feet South of 39 Deg.	45 Min	.00 Sec		 	
Longitude 14020' Feet West of 80 Deg.	35 Min	. <u>00</u> Sec	c.		
ompany: Chesapeake Appalachia, LLC					
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
P.O. Box 18496, Oklahoma City, OK 73154	20"	40'	40'	driven	
Agent: Eric Gillespie	13 3/8"	1320'	1320'	1296 cf	
Inspector: Dave Scranage	9 5/8"	2752'	2752'	1212 cf	
Date Permit Issued: July 1, 2009	5 1/2"	12161'	12161'	1986 cf	
Date Well Work Commenced: 12/25/2009					
Date Well Work Completed: 8/18/2010					
Verbal Plugging:					
Date Permission granted on: 627391					
Rotary Cable Rig					
Total Vertical Depth (ft): 7151'					
Total Measured Depth (ft): 12,164'					
Fresh Water Depth (ft.): 350'					
Salt Water Depth (ft.): na		· ·			
Is coal being mined in area (N/Y)? No					
Coal Depths (ft.): 904',1156'					
Void(s) encountered (N/Y) Depth(s)					
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay Gas: Initial open flow 3918 MCF/d Oil: Initial open flow	zone depth (ft)_7	',688'-12,010'	ata on separate sh	neet)	
Final open flow MCF/d Final open flow	vBb	ol/d	D.	anen de la companya d	
Time of open flow between initial and final tests Hours Static rock Pressure 4648 psig (surface pressure) after Hours			PECENED Office of Oil & Gas		
psig (surface pressure) at	fterHou	TS .			
Second producing formation Pay zo	-			UN 22 2011	
Gas: Initial open flow MCF/d Oil: Initial open fl					
Final open flowMCF/d Final open flow Time of open flow between initial and final tests	Environm	eutal blatec Junioriani			
Static rock Pressure nsig (surface pressure) at					

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.

Reg. Compliance Specialist 6-21-2011
Signature Date

Were core samples taken?	YesNo_X	Were cuttings	caught during drilling? Yes	X No
Were $\frac{N}{Y/N}$ Electrical, $\frac{N}{Y/N}$	Mechanical, $\frac{N}{Y/N}$ or C	Geophysical logs recorded o	n this well?	
FRACTURING OR STIN DETAILED GEOLOGIC	MULATING, PHYSICAL	CHANGE, ETC. 2). THE COPS AND BOTTOMS O	TAILS OF PERFORATE E WELL LOG WHICH IS F ALL FORMATIONS, IN EPTH.	A SYSTEMATIC
Perforated Intervals, Fractur	ring, or Stimulating:			
Attached.				
				
Formations Encountered: Surface:	·	Top Depth	/ Bott	om Depth
(see next page)				
	W-14-1			
				
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FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
SS/SHALE	0	904
COAL	904	906
SS/SHALE	906	1156
COAL	1156	1158
SS/SHALE	1158	1182
Pittsburgh Coal	1182	1191
SS/SHALE	1191	1320
SHALE	1320	1698
SS	1698	1734
SHALE	1734	1772
SS	1772	1778
SHALE	1778	1780
SS	1780	1830
SHALE	1830	1832
SS	1832	1836
SHALE	1836	1844
SS	1844	1846
SHALE	1846	2085
Salt Sands	2085	2122
SS	2122	2106
SHALE	2106	2110
SS	2110	2112
SHALE	2112	2161
Maxton	2161	2181
SS	2181	2284
LMST	2284	2310
Big Lime	2310	2376
Big Injun	2376	2619
SS	2619	2628
SHALE	2628	2654
LS	2654	3120
SHALE	3120	3270
SS	3270	3300
LS	3300	3420
SS	3420	3480
LS	3480	3860
SS	3860	3898
LS	3898	4410
SHALE	4410	4862
SS	4862	4892
SHALE	4892	7293
Tully	7293	7315
LMST	7315	7340
Hamilton	7340	7432
Marcellus	7432	12162

PERFORATION RECORD ATTACHMENT

Well Name and Number: 627391 Rine 3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated				Fluid		Propping Agent		Average	
Date	From	То	Date	Interval	Treated	Type	Amount	Туре	Amount	Injection
6/25/2010	11688	12010	6/25/2010	11688	12010	Slk Wtr	12370	Sand	393379	85
6/27/2010	11283	11610	6/27/2010	11283	11610	Slk Wtr	10232	Sand	483000	87
6/28/2010	10888	11210	6/28/2010	10888	11210	Slk Wtr	11459	Sand	485450	87.9
6/29/2010	10481	10810	6/29/2010	10481	10810	Slk Wtr	9551	Sand	317746	85.8
6/30/2010	10088	10410	6/30/2010	10088	10410	Slk Wtr	13007	Sand	434494	87.5
6/30/2010	9688	9998	6/30/2010	9688	9998	Slk Wtr	12187	Sand	420055	83
7/2/2010	9288	9610	7/2/2010	9288	9610	Slk Wtr	10620	Sand	493731	92
7/2/2010	8888	9208	7/2/2010	8888	9208	Slk Wtr	9642	Sand	499347	90
7/2/2010	8488	8810	7/2/2010	8488	8810	Slk Wtr	9803	Sand	320000	85
7/8/2010	8088	8410	7/8/2010	8088	8410	Slk Wtr	12518	Sand	485000	. 86
7/9/2010	7688	8010	7/9/2010	7688	8010	Slk Wtr	10521	Sand	480000	87