

**State of West Virginia
 Division of Environmental Protection
 Section of Oil and Gas
 Well Operator's Report of Well Work**

Farm Name: Martin R. Whiteman 8H

Operator Well No.: 627375

LOCATION Elevation: 1391'
 District: Center
 Latitude: 850 Ft South of 39° 42' 30"
 Longitude: 3300 ft West of 80° 37' 30"

Quadrangle: Wileyville
 County: Wetzel

Company: Chesapeake Appalachia, L.L.C.
 P.O. Box 18496
 OKC, OK 73154-0496

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill-Up Cu.Ft.
20"		40'	
13 3/8"	1388'	1388'	CTS
9 5/8"	2770'	2770'	CTS
5 1/2"	10410'	10410'	3932' Calc.
2 3/8"	7950'	7950'	

Agent: James E. Grey
 Inspector: David Scranage
 Date Permit Issued: 12/10/2008
 Date Well work commenced: 07/06/2009
 Date Well Work completed: 09/19/2009
 Verbal Plugging Permission
 Granted on / /
 Rotary Cable Rig
 Total Depth (ft): 12,005 TVD (ft): 7455
 Fresh Water Depth (ft):
 Salt Water Depth (ft.): NA
 Is coal being mined in area (Yes No
 Coal Depths (ft): 1233', 1810', 2200'
 Was this well logged and plugged back?
 Yes ___ No X if yes -
 depth cement plug set _____

RECEIVED
 Office of Oil & Gas

OCT 05 2010

WV Department of
 Environmental Protection

Open Flow Data

1st Producing Formation Pay Zone Depth 7,723 ft to 11,839 ft

Gas: Initial Open Flow	<u>5,015 Mcf/day</u>	Oil: Initial Open Flow	<u> </u> bbl/day
Final Open Flow	<u> </u> Mcf/day	Final Open Flow	<u> </u> bbl/day
Time of Open Flow between Initial and Final Tests	<u> </u> In	hours	
		Line	
Static Rock Pressure	<u>4,846 psig</u> after	hours	

2nd Producing Formation Pay Zone Depth ft to ft

Gas: Initial Open Flow	<u> </u> Mcf/day	Oil: Initial Open Flow	<u> </u> bbl/day
Final Open Flow	<u> </u> Mcf/day	Final Open Flow	<u> </u> bbl/day
Time of Open Flow between Initial and Final Tests	<u> </u> hours		
Static Rock Pressure	<u> </u> psig after	hours	

3rd Producing Formation Pay Zone Depth ft to ft

Gas: Initial Open Flow	<u> </u> Mcf/day	Oil: Initial Open Flow	<u> </u> bbl/day
Final Open Flow	<u> </u> Mcf/day	Final Open Flow	<u> </u> bbl/day
Time of Open Flow between Initial and Final Tests	<u> </u> hours		
Static Rock Pressure	<u> </u> psig after	hours	

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Chesapeake Energy
Well No.:627375

Perforated Intervals

1 st Stage	Marcellus	10 holes from	11,534 ft to	11,836 ft
2 nd Stage	Marcellus	10 holes from	11,159 ft to	11,461 ft
3 rd Stage	Marcellus	10 holes from	10,784 ft to	11,086 ft
4 th Stage	Marcellus	10 holes from	10,048 ft to	10,350 ft
5 th Stage	Marcellus	10 holes from	9,623 ft to	9,975 ft
6 th Stage	Marcellus	10 holes from	9,223 ft to	9,570 ft
7 th Stage	Marcellus	10 holes from	8,848 ft to	9,150 ft
8 th Stage	Marcellus	10 holes from	8,473 ft to	8,775 ft
9 th Stage	Marcellus	10 holes from	8,098 ft to	8,400 ft
10 th Stage	Marcellus	10 holes from	7,723 ft to	8,025 ft

103-2440

Fracturing / Stimulation

1 st Stage	Type of Treatment Slickwater			
	Total Acid 5,000 Gal of 15% HCl		Breakdown Pressure 5,290 psi	
	Average Rate 99 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 8,600 psi MTP 9,056 psi	
	Total Fluid 16,352 bbl	Total Nitrogen 0 scf	Total Sand 300,293 lb of 100 mesh	
			Total Sand 304,284 lb of 40/70	
	ISIP 4,624 psi	5 min 3,757 psi		
2 nd Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 6,233 psi	
	Average Rate 100 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 7,571 psi MTP 9,066 psi	
	Total Fluid 12,102 bbl	Total Nitrogen 0 scf	Total Sand 299,575 lb of 100 mesh	
			Total Sand 304,997 lb of 40/70	
	ISIP 6,033 psi	5 min 5,271 psi		
3 rd Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,563 psi	
	Average Rate 93 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 8,447 psi MTP 9,664 psi	
	Total Fluid 13,056 bbl	Total Nitrogen 0 scf	Total Sand 303,894 lb of 100 mesh	
			Total Sand 303,661 lb of 40/70	
	ISIP 5,706 psi	5 min 4,485 psi		
4 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,531 psi	
	Average Rate 94 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 8,241 psi MTP 9,552 psi	
	Total Fluid 14,039 bbl	Total Nitrogen 0 scf	Total Sand 299,959 lb of 100 mesh	
			Total Sand 299,369 lb of 40/70	
	ISIP 4,629 psi	5 min 4,003 psi		
5 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,767 psi	
	Average Rate 100 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 7,625 psi MTP 9,446 psi	
	Total Fluid 11,946 bbl	Total Nitrogen 0 scf	Total Sand 303,765 lb of 100 mesh	
			Total Sand 299,962 lb of 40/70	
	ISIP 5,250 psi	5 min 4,534 psi		
6 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,799 psi	
	Average Rate 100 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 7,678 psi MTP 8,630 psi	
	Total Fluid 11,718 bbl	Total Nitrogen 0 scf	Total Sand 304,530 lb of 100 mesh	
			Total Sand 301,570 lb of 40/70	
	ISIP 5,941 psi	5 min 4,628 psi		
7 th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,767 psi	
	Average Rate 100 scf/min	<input type="checkbox"/> or bpm <input checked="" type="checkbox"/>	ATP 7,747 psi MTP 8,177 psi	
	Total Fluid 11,915 bbl	Total Nitrogen 0 scf	Total Sand 298,344 lb of 100 mesh	
			Total Sand 304,855 lb of 40/70	
	ISIP 4,826 psi	5 min 4,206 psi		

