

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

Farm Name: Randy and Lisa McDowell B 6H

Operator Well No.: 627052

LOCATION Elevation: 1356'
 District: Meade
 Latitude: 1250 ft South of 39° 45' 00"
 Longitude: 4600ft West of 80° 40' 00"

Quadrangle: Wileyville
 County: Marshall

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.
13 3/8	1,205'	1,205'	CTS
9 5/8	2,706'	2,706'	CTS
5 1/2	12,027'	12,027'	2,315 sks

RECEIVED
 Office of Oil & Gas

JAN 17 2013

WV Department of
 Environmental Protection

Agent: James E. Grey
 Inspector: Bill Hendershot
 Date Permit Issued: 06/15/2009
 Date Well work commenced: 08/20/2009
 Date Well Work completed: 09/19/2009
 Verbal Plugging Permission
 Granted on / /
 Rotary Cable Rig
 Total Depth (ft):12,027 TVD (ft): 7,127
 Fresh Water Depth (ft): NA
 Salt Water Depth (ft.):NA
 Is coal being mined in area (Yes No
 Coal Depths (ft):
 Was this well logged and plugged back?
 Yes ___ No X if yes -
 depth cement plug set _____

Open Flow Data

Pay Zone Depth 7,734 ft to 11,786 ft

1st Producing Formation
 Gas: Initial Open Flow 2692 Mcf/day Oil: Initial Open Flow N/A bbl/day
 Final Open Flow N/A Mcf/day Final Open Flow N/A bbl/day
 Time of Open Flow between Initial and Final Tests N/A hours
 Static Rock Pressure 3,920 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.: 627052

Perforated Intervals

1 st Stage	Marcellus	10 holes from	11,484 ft to 11,786 ft
2 nd Stage	Marcellus	10 holes from	11,109 ft to 11,411 ft
3 rd Stage	Marcellus	10 holes from	10,734 ft to 11,036 ft
4 th Stage	Marcellus	10 holes from	10,359 ft to 10,661 ft
5 th Stage	Marcellus	10 holes from	9,984 ft to 10,286 ft
6 th Stage	Marcellus	10 holes from	9,609 ft to 9,911 ft
7 th Stage	Marcellus	10 holes from	9,234 ft to 9,536 ft
8 th Stage	Marcellus	10 holes from	8,859 ft to 9,161 ft
9 th Stage	Marcellus	10 holes from	8,484 ft to 8,786 ft
10 th Stage	Marcellus	10 holes from	8,109 ft to 8,411 ft
11 th Stage	Marcellus	10 holes from	7,734 ft to 8,036 ft

02/08/2013

Fracturing / Stimulation

1 st Stage	Type of Treatment Slickwater			
	Total Acid 5,000 Gal of 15 % HCl		Breakdown Pressure 6,030 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,418psi MTP 9,431 psi	
	Total Fluid 16,994 bbl	Total Nitrogen 0 scf	Total Sand 303,142 lb 100 mesh	
			Total Sand 310,425 lb of 40/70	
	ISIP 4,875 psi	5 min 4,045 psi		
2nd Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,888 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,775 psi MTP 9,263 psi	
	Total Fluid 11,858 bbl	Total Nitrogen 0 scf	Total Sand 292,157 lb 100 mesh	
			Total Sand 303,786 lb of 40/70	
	ISIP 4,548 psi	5 min 3,849 psi		
3rd Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 6,056 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,097 psi MTP 9,467 psi	
	Total Fluid 14,378 bbl	Total Nitrogen 0 scf	Total Sand 292,157 lb 100 mesh	
			Total Sand 303,300 lb of 40/70	
	ISIP 5,119 psi	5 min 3,875 psi		
4th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,670 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,575 psi MTP 9,437 psi	
	Total Fluid 13,419 bbl	Total Nitrogen 0 scf	Total Sand 299,932 lb 100 mesh	
			Total Sand 302,960 lb of 40/70	
	ISIP 4,318 psi	5 min 3,530 psi		
5th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15 % HCl		Breakdown Pressure 5,815 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,350 psi MTP 9,123 psi	
	Total Fluid 11,998 bbl	Total Nitrogen 0 scf	Total Sand 298,735 lb 100 mesh	
			Total Sand 306,768 lb of 40/70	
	ISIP 4,987 psi	5 min 3,765 psi		
6th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,483 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,625 psi MTP 9,512 psi	
	Total Fluid 11,886 bbl	Total Nitrogen 0 scf	Total Sand 301,548 lb 100 mesh	
			Total Sand 300,563 lb of 40/70	
	ISIP 4,543 psi	5 min 3,558 psi		
7th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 5,499 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,192 psi MTP 9,107 psi	
	Total Fluid 11,887 bbl	Total Nitrogen 0 scf	Total Sand 301,140 lb 100 mesh	
			Total Sand 301,980 lb of 40/70	
	ISIP 4,882 psi	5 min 3,831 psi		
8th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 6,884 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,119 psi MTP 8,897 psi	
	Total Fluid 11,938 bbl	Total Nitrogen 0 scf	Total Sand 301,140 lb 100 mesh	
			Total Sand 316,470 lb of 40/70	
	ISIP 4,783 psi	5 min 3,965 psi		
9th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 6,466 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,344 psi MTP 9,505 psi	
	Total Fluid 11,977 bbl	Total Nitrogen 0 scf	Total Sand 299,534 lb 100 mesh	
			Total Sand 318,360 lb of 40/70	
	ISIP 4,780 psi	5 min 3,812 psi		
10th Stage	Type of Treatment Slickwater			
	Total Acid 2,500 Gal of 15% HCl		Breakdown Pressure 6,179 psi	
	Average Rate 100 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 8,344 psi MTP 9,361 psi	
	Total Fluid 11,977 bbl	Total Nitrogen 0 scf	Total Sand 300,048 lb 100 mesh	
			Total Sand 302,400 lb of 40/70	
	ISIP 4,780 psi	5 min 3,812 psi		
11th Stage	Type of Treatment Slickwater			

02/08/2013

