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:	07/31/2012	
API#:	47-091-01222	

rm name: Anderson, Rooney J. & Deporan A.	Operator Well No.: Rodney J. Anderson 4HM			
OCATION: Elevation: 1377' GL / 1395' KB	Quadrangle: _	Grafton 7.5'		
District: Court House	_ County: Taylo			
Latitude: 15,326 Feet South of 39° Deg	20 Min. 00 Sec.			
Longitude 7,465 Feet West of 80° Deg	g. <u>02</u> Min	n. <u>30</u> Se	c.	
Company: PDC Mountaineer				
Address: 120 Genesis Blvd.	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Bridgeport, WV 26330	20"	42'	42'	Sand in
Agent: Bob Williamson	13 3/8"	470'	470'	433
Inspector: Bryan Harris	9 5/8"	2790'	2790'	1,138
Date Permit Issued: 05/11/2011	5 1/2"	12,838'	12,838'	3,402
Date Well Work Commenced: 05/27/2011				
Date Well Work Completed: 11/23/2011				
Verbal Plugging:				
Date Permission granted on:	2 7/8"		2481'	
Rotary Cable Rig				
Total Vertical Depth (ft): 7,863'				
Total Measured Depth (ft): 12,863'				
Fresh Water Depth (ft.): 38', 115'				
Salt Water Depth (ft.): 830'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Air Drilled - Unknown				
Void(s) encountered (N/Y) Depth(s) N				
Producing formation Marcellus Shale Pay Gas: Initial open flow N/A MCF/d Oil: Initial open Final open flow 4,220.4 MCF/d Final open flo Time of open flow between initial and final tests Static rock Pressure 2250 psig (surface pressure) a	zone depth (ft) flow B w Bb 720 Hours	7882' TVD bl/d bl/d	ata on separate s	heet)
Second producing formation N/A Pay 20 Gas: Initial open flow MCF/d Oil: Initial open		 bl/d		
Final open flow MCF/d Final open flo				
Time of open flow between initial and final tests				
Static rock Pressurepsig (surface pressure) a	ıfterHou	rs		
ertify under penalty of law that I have personally examined the attachments and that, based on my inquiry of those indit the information is true, accurate, and complete.	and am familiar ividuals immedia	with the informately responsib	nation submitted le for obtaining t	I on this document he information? be
BALLU	=	01/3	25/2013	02/01/20
Signature	<del>-</del>		Date	JAIN

Signature

Date

Were core samples taken? YesNo_XX	Were c	uttings caught during drilling? Yes XX No	
Were Electrical, Mechanical or Geophysical logs re	corded on this well? If	yes, please list Mudlog, Directional Surveys, 520. No logs run above 7209.	
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSIC	IE FOLLOWING: 1 CAL CHANGE, ETC. 2 THE TOPS AND BO	). DETAILS OF PERFORATED INTERVALS 2). THE WELL LOG WHICH IS A SYSTEMATION TTOMS OF ALL FORMATIONS, INCLUDING	
Perforated Intervals, Fracturing, or Stimulating:			
		tages using 333 bbls 15% HCL, 118,700 bbls	
of Slickwater carrying 1,124,300 lbs of 10	0-mesh sand, 4,458	8,400 lbs of 40/70 sand, and 332,400 lbs of	
30/50 sand.			
		<u> </u>	
Plug Back Details Including Plug Type and Depth(	s): N/A		
Formations Encountered: Surface:	Top Depth	/ Bottom Depth	
Big Lime(est)	*1562	1641	
Gantz (est)	1994	2016	
50 Foot (est)	2045	2100	
30 Foot (est)	2108	2134	
Gordon (est)	2231	2259	
4thSand(est)	2478	2567	
5th Sand (est)	2583	2622	
Benson (est)	4497	4550	
Sycamore Grit (from logs)	6793'	6921'	
Geneseo/Burket Shale	7541'	7556'	
Tully LS	7556'	7711'	
Hamilton Group	7711'	7789'	
Marcellus SH	7789'	Not Drilled	
Est fm. tops based on 47-091-00809	TD: 7,817' TVD / 12,863' MD		

KOP at 7209' MD / 7135' TVD LP at 8352'MD / 7863' TVD \*All measurements are taken from KB and are TVD unless noted as MD.

Received

O2901/2013