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#:	47-091-01228

								0.4	t A	-d EUDA		
Farm name: Anderson, Rodney J. & Deborah A.						Operator Well No.: Rodney J. Anderson 5HM						
LOCAT	TION: Elevation	on: <u>1377</u>	GL / 1395' KB			Quadran	gle:	Grafton 7.5	5'			
	District:	Court House	e			County:	Taylor					
	Latitude:	149	Feet South of	39°	Deg.	17	Min.		_Sec.			
	Longitude_	7,484	Feet West of		Deg.	02	_Min.	30	_Sec.			
	Company: P	DC Moun	taineer									
		20 Genesi	is Blvd.			Casing Tubing		Used in drilling		Left in well	Cen up (

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'	672
Inspector: Bryan Harris	9 5/8"	2780'	2780'	1,009
Date Permit Issued: 05/20/2011	5 1/2"	13,640'	13,640'	3,615
Date Well Work Commenced: 06/15/2011				
Date Well Work Completed: 11/22/2011				
Verbal Plugging:				
Date Permission granted on:	2 7/8"		2529'	
Rotary Cable Rig				
Total Vertical Depth (ft): 7,886'				
Total Measured Depth (ft): 13,640'				
Fresh Water Depth (ft.): 155'				
Salt Water Depth (ft.): 870'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): Air Drilled - Unknown				ļ
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet) Pay zone depth (ft) 7882' TVD Producing formation Marcellus Shale MCF/d Oil: Initial open flow ----Gas: Initial open flow N/A Final open flow 4,220.4 Final open flow _ MCF/d 720 Time of open flow between initial and final tests_ Hours psig (surface pressure) after 72 Static rock Pressure 1750 Second producing formation N/A Pay zone depth (ft) MCF/d Oil: Initial open flow_____ Bbl/d Gas: Initial open flow_____ Bbl/d Final open flow _____ MCF/d Final open flow_____ Time of open flow between initial and final tests_____Hours _psig (surface pressure) after ____Hours Static rock Pressure_

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. Believe that the information is true, accurate, and complete.

01/25/2013 Date

Vere core samples taken? YesNo_XX_	Were	e cuttings caught during drill	ing? Yes_XX_No
Were Electrical Mechanical or Geophysical logs record	ded on this well?	If yes, please list Mudlog,	Directional Surveys,
TVD & MD Gamma Ray LWD (limited depth), Cased Hote Sonic Scanner to	g with Bond Log & CCL t	o 8020'. No logs run above 6112'.	
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSICAL DETAILED GEOLOGICAL RECORD OF THE COAL ENCOUNTERED BY THE WELLBORE F	CHANGE, ETC E TOPS AND B	OTTOMS OF ALL FOR	HICH IS A SISTEMATIC
erforated Intervals, Fracturing, or Stimulating:			•
erforated interval 8,452 ft - 13,536 ft (790 sh	ots). Frac'd 16	stages using 381 bbls	15% HCL, and 132,900
bls of Slickwater carrying 1,274,400 lbs of 10	00-mesh sand,	4,900,200 lbs of 40/70	sand, and 335,100 lbs
of 30/50 sand.			
Plug Back Details Including Plug Type and Depth(s):	N/A		
Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			
Big Lime(est)	*1562	1641	
Gantz (est)	1994	2016	
50 Foot (est)	2045	2100	
30 Foot (est)	2108	2134	
Gordon (est)	2231	2259	
4th Sand (est)	2478	2567	
5th Sand (est)	2583	2622	
Benson (est)	4497	4550	
Sycamore Grit	6798'	6923'	
Geneseo/Burket Shale	7551'	7565'	
Tully LS	7565'	7654'	
Hamilton Group	7655'	7789'	
Marcellus SH	7802'	Not Drilled	
Est fm. tops based on 47-091-00809	TD: 7,886'	TVD / 13,640' MD	
KOP at 7455' MD / 7341' TVD LP at 8564'MD / 7882' TVD	* All measuremen	nts are taken from KB and are	TVD unless noted as MD.
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			Othics noted as MD.
			02/04/2012