WR-35 Rev (9-11)

State of West Virginia Department of Environmental Protection Office of Oil and Gas

DATE:	5/28/2013	
API#:	47-033-05718	

Well Operator's Report of Well Work

District: Clark Latitude: 11,941 Feet South of 39 Deg. Longitude 271 Feet West of 80 Deg. Company: PDC Mountaineer, LLC	17 Mii	larrison			
Latitude: 11,941 Feet South of 39 Deg. Longitude 271 Feet West of 80 Deg.	17 Mii				
DDC Manager III C	5. 22 Min	outing.			
Company: PDC Mountaincer, LLC		1. 30 Sec	į,		
Company.	4				
Address: 120 Genesis Boulevard	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
Bridgeport, WV 26330	30"	105'	105'	Cement to Surf	
Agent: Bob Williamson	13 3/8"	705'	705'	962	
Inspector: Sam Ward	9 5/8"	2529'	2529'	1004	
Date Permit Issued: 01/18/2013	5 1/2"	10,969'	10,969'	3133	
Date Well Work Commenced: 05/22/2013					
Date Well Work Completed: 08/04/2013					
Verbal Plugging:					
Date Permission granted on:					
Rotary Cable Rig			RECE	IVED	
Total Vertical Depth (ft): 7,052'			Office of (Dil & Gas	
Total Measured Depth (ft): 10,978'			May		
Fresh Water Depth (ft.): 140',650'			NOV 04	2013	
Salt Water Depth (ft.): None recorded			MAY Dozio	there are a f	
Is coal being mined in area (N/Y)? N		Fnv	ironmone	Drotosti	
Coal Depths (ft.): 170', 825'		-110	nomnente	Totectio	
Void(s) encountered (N/Y) Depth(s) None					
Gas: Initial open flow 7.032 MCF/d Oil: Initial open f Final open flow 4.536 MCF/d Final open flow Time of open flow between initial and final tests 5 Static rock Pressure 1.560 psig (surface pressure) at Second producing formation N/A Pay zo Gas: Initial open flow MCF/d Oil: Initial open flow	zone depth (ft)_ flowB flowB wBt 625	7028' TVD bl/d ol/d rs bl/d ol/d	ta on separate sh	cet)	
Static rock Pressurepsig (surface pressure) at					

Signature

10/31/2013 Date

Were core samples taken? YesNo_XX	Were cutting	gs caught during dri	Illing? Yes XX No
Were Electrical, Mechanical or Geophysical logs record Phoenix Tech Services directional GR from 2550' - 10,873'.	ed on this well? If yes,	olease list Mud logge	er's well log from 6100' - 10,978'.
NOTE: IN THE AREA BELOW PUT THE I FRACTURING OR STIMULATING, PHYSICAL O DETAILED GEOLOGICAL RECORD OF THE COAL ENCOUNTERED BY THE WELLBORE FR	CHANGE, ETC. 2). TI TOPS AND BOTTO	TE WELL LOG V MS OF ALL FO	VHICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimulating:			
Perforated interval 7,636 ft - 11,403 ft (600 sh	ots). Frac'd 12 stag	es using 290 bb	ls 15% HCL and 95,400
bbls of Slickwater carrying 942,600 lbs of 100)-mesh sand and 4,	122,000 lbs of 4	10/70 sand.
		· 	
Display in the state of the sta		·	
Plug Back Details Including Plug Type and Depth(s):	N/A		
Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Little Lime (est from 47-033- 05344)	1362	1380	
Big Lime "	1400	1514	
Big Injun "	1514	1568	
Gantz "	1858	1902	
50 Foot "	1948	1984	
30 Foot "	1994	2024	
Gordon Stray "	2044	2060	
4th Sand "	2212	2284	
5th Sand "	2368	2406	
Benson (from Directional GR TVD Log)	4428	4466	
Sycamore "	6254	6285	
Geneseo "	6755	6769	
Tully "	6769	6830	
Marcellus "	6947	10,978'	MD-TD
All depths are TVD except TD			