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:	02/12/2013	
API#:	47-091-01206	

ION: Elevation: 1273' GL	Quadrangle: Grafton 7.5'			
District: Courthouse	County: Tay	/lor		
Latitude: 13,288 Feet South of 39 Deg.	MinSec.			
Longitude 7.546 Feet West of 80 Deg.	Mir	1Se	e.	
Company: PDC Mountaineer LLC				
Company.	Casing &	Used in	Left in well	Cement fill
Address: 120 Genesis Boulevard	Tubing	drilling	Bolt in wen	up Cu. Ft.
Bridgeport, WV 26330	20"	80'	80'	Surface
Agent: Bob Williamson	13 3/8"	465'	465'	466
Inspector: Joe McCourt	9 5/8"	2782'	2782'	1140
Date Permit Issued: 12/10/2010	5 1/2"	14,015'	14,015'	3726
Date Well Work Commenced: 12/16/2011				
Date Well Work Completed: 04/11/2012	2 7/8"		8172'	
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				ATTER PERIODS
Total Vertical Depth (ft): 7774'				EIVED
Total Measured Depth (ft): 14,032'			Office	f Oil 3 Ga
Fresh Water Depth (ft.): Drilled from surf on air/foam			FFR	1 9 2013
Salt Water Depth (ft.): Drilled from surf on air/foam			1	
Is coal being mined in area (N/Y)? N			WV De	partment o
Coal Depths (ft.): 78', 783'			Environme	
Void(s) encountered (N/Y) Depth(s) N				
N FLOW DATA (If more than two producing formation	•		ata on separate sl	neet)
roducing formation Marcellus Pay 2				
as: Initial open flow MCF/d Oil: Initial open flow Final open flow 2,708 MCF/d Final open flow				
Time of open flow between initial and final tests 72				
ratic rock Pressure 1460 psig (surface pressure) af				
econd producing formation N/A Pay zo				
econd producing formation N/A Pay zon as: Initial open flow MCF/d Oil: Initial open fl	ne depth (ft) owB	Bbl/d		
Final open flowMCF/d Final open flowMCF/d				
Time of open flow between initial and final tests				
atic rock Pressure psig (surface pressure) af	ter Hou	ırs		

02/15/2013
Signature Date

91-01206

Were core samples taken? YesNo_XX	Wer	re cuttings caught during drill	ing? Yes_XX_ No
Were Electrical, Mechanical or Geophysical logs reco	orded on this well?	If yes, please list Mud Log from	6600'- 14,032'. SLB open hole LWD
EcoScope Image /GR/Dens/Neutron & SLB Sonic Scanner from 8,442-13	3,553. Pathfinder Direction	al surveys from 6,433-14,032 (GR from 6	,488 to TD).
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSICA DETAILED GEOLOGICAL RECORD OF THE COAL ENCOUNTERED BY THE WELLBORE	L CHANGE, ETO IE TOPS AND I	C. 2). THE WELL LOG WI BOTTOMS OF ALL FOR	HICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimulating:			
Perforated interval 10,809 ft 13,850 ft. (400	shots). Frac'd 1	10 stages using 238 bbls	15% HCL, and 103,500
bbls of Slickwater carrying 740,500 lbs of			
of 30/50 sand.			
Plug Back Details Including Plug Type and Depth(s):			
			-
Formations Encountered:	Top Depth	1	Bottom Depth
Surface:			
	4500	4507	
Little Lime (est)	1522	1537	
Big Lime (est)	1559	1741	
Gantz (est)	2000	2018	
50 Foot (est)	2057	2141	
30 Foot (est)	2155	2209	RECEIVED
Gordon(est)	2230	2266	Office of Oil & Gas
4th Sand (est)	2477	2535	
5th Sand (est)	2551	2595	FEB 1 9 2013
Riley (est)	4155	4423	
Benson (est)	4525	4575 _E	WV Department of
Sycamore	6773	6881	nvironmental Protection
Geneseo	7462	7478	
Tully	7478	7544	
Marcellus	7706	14,032' MD-	TD
All depths are KB (19') TVD except MD-TD	. Depths b	elow Benson from direc	ctional "GR-TVD" Log.