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:	02/14/2013		
API #:	47-041-04127	F	

TION: Elevation: 1267' GL	_ Quadrangle: _	Quadrangle: Walkersville 7.5'				
District: Collins Settlement	County: Lew	is				
Latitude: 13,480 Feet South of 38 Deg						
Longitude 3,630 Feet West of 80 Deg	g. 25 Min.	Sec.				
Company: PDC Mountaineer LLC						
Address: 120 Genesis Boulevard	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.		
Bridgeport, WV 26330	11 3/4"	21'	21'	Sanded I		
Agent: Bob Williamson	8 5/8"	1014'	1014'	329		
Inspector: Bill Hatfield	4 1/2"	4090'	4090'	757		
Date Permit Issued: 04/30/2009						
Date Well Work Commenced: 09/30/2009				_		
Date Well Work Completed: 09/30/2009						
Verbal Plugging:						
Date Permission granted on:		REC	EINED			
Rotary Cable Rig 🗸		Office O	Oil & Gas			
Total Vertical Depth (ft): 4120'		FEB 2 8 2013				
Total Measured Depth (ft): 4120'		FEB	A 0 5012			
Fresh Water Depth (ft.): 27'		NAM / MAR	partment C	f		
Salt Water Depth (ft.): None		muironme	ntel Prote	ction		
Is coal being mined in area (N/Y)? N		MAtt				
Coal Depths (ft.): 224'-227'						
Void(s) encountered (N/Y) Depth(s) N						
Gas: Initial open flow 189 MCF/d Oil: Initial open Final open flow NT MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure NT psig (surface pressure) of Gas: Initial open flow MCF/d Oil: Initial open	zone depth (ft)_ flowBt owBbHours ofterHour one depth (ft) 228 flowBt	1774 Dl/d Il/d S S 4	ta on separate sh	eet)		
Final open flowMCF/d Final open flo		l/d				
Time of open flow between initial and final tests	Hours					

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 I believe that the information is true, accurate, and complete.

Signature

<u>2-14-201</u>3 Date

Were core samples taken? YesNo_	XX Were	cuttings caught during di	rilling? YesNo_XX
Were Electrical, Mechanical or Geophysical		If yes, please list Hotwell	I GR/CCL from 2400' - 1430'
NOTE: IN THE AREA BELOW PU FRACTURING OR STIMULATING, PI DETAILED GEOLOGICAL RECORD COAL ENCOUNTERED BY THE WEL	HYSICAL CHANGE, ETC. OOF THE TOPS AND BO	. 2). THE WELL LOG ' OTTOMS OF ALL FO	WHICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimulati	ing:		
09/30/2009; MIRU BJ Services & Howell Wireline. Log with GR/CCL	. 8 set solid composite BP at 2310'. Perl the E	Bayard with 8 holes from 2284-2290.R	tU BJ & Stimulated well with 30 quality N2 assist,
20.090 lbs of 20/40 white sand and 58,000 sci N2 (ATP 1330 psig. N	ATP 1660 psig) (Avg Rates 18 bpm; 2600 sch	m). Brokedown formation at 1390 psig.	. Pumped a pad of 68 bbl, 16,000 scf @ 18 bpm,
2600 scfm. Ramped sand concentrations from .5-4 ppa in 167 bbl, 5	51,000 sim @ 18 bpm, 2600 scim. Flushed v	with 5 bbl spacer, 12 bbl 15% HCl, & 2	20 bbl of treated H2O @ 18 bpm. ISIP 1045 psig
RU Hotwell & set a composite flow thru frac plug at 1820'. Perf the Gentz at	1 1773-1782.Stimulated the Gantz with 30 quality	N2 assist, 30,087 lbs of 20/40 white sand	and 145000 scf N2 (ATP 2217 psig, MTP 2309 psig)
(Avg Rates 16 bpm; 5000 scfm). Brokedown formation at 2270 psig	g. Pumped a pad of 50 bbl, 21,000 scf @ 12	bpm, 5000 scfm. Ramped sand conce	entrations from .5-3 ppa in 209 bbt, 75,000 sfm
@ 12 bpm, 5000 scfm. Held 3# sand concentration for 21 bbl, 6000 scf @ 12			
Plug Back Details Including Plug Type and	Depth(s): Drilled out bot	h plugs & cleaned	to original TD.
Formations Encountered:	Top Depth		Bottom Depth
Surface:			
See original submitted Well Log for	this wall ADI# 47 041 0	4127	
See original submitted well Log for	(1115 Well AF1# 47-041-04	4121.	<u> </u>
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