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:	08/10/2012	
API #:	47-9101178	

Address: 120 Genesis Blvd.  Bridgeport, WV 26330  Agent: Bob Williamson  Inspector: Bryan Harris  Before Before Bryan Harris  Before Before Bryan Harris  Before Be	### Feet South of 30 Deg. 17 Min. 30 Sec. 85 Feet West of 80 Deg. 05 Min. 00 Sec.    Mountaineer	ATION: Elevation: 1310' GL / 1322' KB	_ Quadrangle: _	Granton 7.5		
Latitude: 2.870 Feet South of 39 Deg. 17 Min. 00 Sec.    Longitude	Feel South of   80   Deg.   10   Min.   00   Sec.	District: Court House		or See		
Company:   PDC Mountaineer	Mountaineer   Casing & Tubing   Left in well   Cement fill   up Cu. Ft.	Latitude: 2,870 Feet South of 39 Deg	·	*		
Address: 120 Genesis Blvd.  Bridgeport, WV 26330  Agent: Bob Williamson  Inspector: Bryan Harris  Date Permit Issued: 02/01/2010  Date Well Work Commenced: 04/05/2010  Date Well Work Completed: 10/06/2010  Date Permission granted on:  Rotary Cable Rig  Total Vertical Depth (ft): 7790'  Total Measured Depth (ft): 7790'  Fresh Water Depth (ft.): None Reported  Is coal being mined in area (N/Y)? N  Coal Depths (ft.): None Reported  Void(s) encountered (N/Y) Depth(s) N  OPEN FLOW DATA (If more than two producing formations please include additional data on separate she Producing formation 4th Sand Pay zone depth (ft.) 2.506  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  Time of open flow between initial and final tests  Second producing formation Pay zone depth (ft.)  Second producing formation Pay going (surface pressure) after 24 Hours  Second producing formation MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow between initial and final tests Hours	Casing &   Used in   Tubing   Used in   drilling   Up Cu. Ft.	Longitude 165 Feet West of 50 Deg		··		
Address: 120 Genesis Blvd.  Bridgeport, WV 26330  Agent: Bob Williamson  Inspector: Bryan Harris  Bate Permit Issued: 02/01/2010  Date Permit Issued: 02/01/2010  Date Well Work Commenced: 04/05/2010  Date Well Work Completed: 10/06/2010  Verbal Plugging:  Date Permission granted on:  Rotary Cable Rig Aug Aug 15 20/07  Total Measured Depth (ft): 7790'  Total Measured Depth (ft): 7790'  Total Measured Depth (ft): None Reported  Is coal being mined in area (N/Y)? N  Coal Depths (ft.): None Reported  Void(s) encountered (N/Y) Depth(s) N  OPEN FLOW DATA (If more than two producing formations please include additional data on separate she Producing formation 4th Sand Pay zone depth (ft.) 2,506  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  Time of open flow between initial and final tests Hours  Second producing formation Pay zone depth (ft.)  Second producing formation Pay zone depth (ft.)  Pay zone depth (ft.)  Babl/d Final open flow Bbl/d  Final open flow between initial and final tests Hours  Second producing formation Pay zone depth (ft.)  Final open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Final open flow Bbl/d  Final open flow between initial and final tests Hours	enesis Blvd. Tubing drilling up Cu. Ft.  seport, WV 26330 20" 91' 91' sand in  liamson 13 3/8" 485' 485' 431  an Harris 8 5/8" 2,297' 2,297' 817  and Harris 91/00/00 51/2" 2,900' 2,900' 110  Commenced: 04/05/2010  Completed: 10/06/2010  Completed: 10/06/2010  Completed: 10/06/2010  Cable Rig Arris Arris 90' AUC 15 20/2  IDepth (ft): 7790' AUC 15 20/2  IDepth (ft): 7790' AUC 15 20/2  IDepth (ft): None Reported ned in area (N/Y)? N  1): None Reported 10/06/2010  (If more than two producing formations please include additional data on separate sheet) 10/06/40 MCF/d Oil: Initial open flow Bbl/d 10/00 between initial and final tests Hours 10/00 psig (surface pressure) after 24/00 Hours 10/00 MCF/d Oil: Initial open flow Bbl/d 10/00 MCF/d Final open flow Bbl/d 10/00 MCF/d Oil: Initial open flow Bbl/d 10/00 MCF/d Final open flow Bbl/d 10/00 MCF/d Oil: Initial Open flow Bbl/d 10/00 MCF/d Oil:	Company: PDC Mountaineer			1	T.Comont 611
Bridgeport, WV 26330  Agent: Bob Williamson  Inspector: Bryan Harris  Bether it issued: 02/01/2010  Date Permit Issued: 02/01/2010  Date Well Work Commenced: 04/05/2010  Date Well Work Completed: 10/06/2010  Verbal Plugging:  Date Permission granted on:  Rotary Cable Rig Aug Aug 15 2017  Total Vertical Depth (ft): 7790'  Total Measured Depth (ft): 7790'  Total Measured Depth (ft): None Reported  Is coal being mined in area (N/Y)? N  Coal Depths (ft): None Reported  Void(s) encountered (N/Y) Depth(s) N  OPEN FLOW DATA (If more than two producing formations please include additional data on separate she Producing formation 4th Sand Pay zone depth (ft): 2,506  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  Time of open flow between initial and final tests Hours  Second producing formation Pay zone depth (ft)  Second producing formation Pay zone depth (ft)  Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  Final open flow between initial and final tests Hours  Second producing formation Pay zone depth (ft)  Gas: Initial open flow MCF/d Initial open flow Bbl/d  Final open flow MCF/d Final open flow Bbl/d  Final open flow MCF/d Final open flow Bbl/d  Final open flow MCF/d Final open flow Bbl/d  Final open flow between initial and final tests Hours	Seport, WV 26330   20"   91'   91'   sand in			I .	Left in Well	1 - 1
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Inspector: Bryan Harris	an Harris  ad: 02/01/2010  S 1/2" 2,900' 2,900' 110  Commenced: 04/05/2010  Completed: 10/06/2010  granted on:  Cable Rig AUG 1 5 20 7  Depth (ft): 7790'  Depth (ft): 7790'  Depth (ft): None Reported  and in area (N/Y)? N  None Reported  Lered (N/Y) Depth(s) N  (If more than two producing formations please include additional data on separate sheet)  and the Sand Pay zone depth (ft) 2,506  Now MCF/d Oil: Initial open flow Bbl/d  Now between initial and final tests Hours  a formation Pay zone depth (ft)  Bob/d  NCF/d Oil: Initial open flow Bbl/d  Now between initial and final tests Hours  a formation Pay zone depth (ft)  MCF/d Final open flow Bbl/d	Agent.			2,297'	817
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ll the attachments and that, based on my inquiry of those individuals immediately responsible to standing the	rue, accurate, and complete.				8-15-2012	2

Signature

Date

Were core samples taken? YesNo_	yy cie cuttings	caught during drilling? Yes XX No
Vere Electrical, Mechanical or Geophysical Temp/Audlo), Bond Log, Plug Sel Log, Mud Log, Plug-back	CBL- Per Log.	case list Superior OH Combo (GR/Neutron/Dens/Induction
	HYSICAL CHANGE, E1C. 2). 1H. O OF THE TOPS AND BOTTOM	TAILS OF PERFORATED INTERVALS, E WELL LOG WHICH IS A SYSTEMATIC IS OF ALL FORMATIONS, INCLUDING TAL DEPTH.
Perforated Intervals, Fracturing, or Stimulat		
		% HCL, 310 bbls of 15# Linear gel with 60Q Nitrogen,
nd 17 bbls of 15# linear gel carrying 50,000 lbs	s of 100-mesh sand and 10,000 lbs of 40/	70 sand.
Plug Back Details Including Plug Type and	d Depth(s): Originally 5 1/2", N-80,17# csg	to 7827' w/ TOC at 5970'. Freepoint & cut csg at 5250'.
uil back to 2929' & land. Set Flo-thru CIBF	@2907' & cmt w/122 cu ft (TOC @ 21	125). Well circulated. Perf & frac 4th SS as above.
Formations Encountered:	Top Depth	/ Bottom Depth
Surface:		
Bia Lime	1542	1724
	1542 1986	1724 2004
Gantz		
Gantz 5th Sand	1986	2004
Gantz 5th Sand Bradford	1986 2566	2004 2606
Gantz 5th Sand Bradford Benson	1986 2566 3720	2004 2606 3872
Gantz 5th Sand Bradford Benson Sycamore	1986 2566 3720 4472	2004 2606 3872 4520
Gantz 5th Sand Bradford Benson Sycamore Tully LS	1986 2566 3720 4472 6588	2004 2606 3872 4520 6703
Gantz 5th Sand Bradford Benson Sycamore Tully LS Marcellus	1986 2566 3720 4472 6588 7458	2004 2606 3872 4520 6703 7518
Gantz 5th Sand Bradford Benson Sycamore Tully LS Marcellus Onondoga Ls	1986 2566 3720 4472 6588 7458 7693	2004 2606 3872 4520 6703 7518
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