

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: 10/16/2012  
API #: 47-033-05565

Farm name: A&B Management, LLC Operator Well No.: D'Annunzio 3HM

LOCATION: Elevation: 1110' GL Quadrangle: Clarksburg 7.5'

District: Clark County: Harrison  
Latitude: 13,447 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude 771 Feet West of 80 Deg. 20 Min. 00 Sec.

Company: PDC Mountaineer, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
120 Genesis Boulevard Bridgeport, WV 26330	30"	65'	65'	Cement to Surf
Agent: <u>Bob Williamson</u>	13 3/8"	560'	560'	888
Inspector: <u>Sam Ward</u>	9 5/8"	2711'	2711'	1245
Date Permit Issued: <u>09/09/2011</u>	5 1/2"	13,825'	13,825'	3172
Date Well Work Commenced: <u>02/07/2013</u>				
Date Well Work Completed: <u>06/28/2013</u>	2 7/8"	-----	7,801'	-----
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7,264'</u>				
Total Measured Depth (ft): <u>13,862'</u>				
Fresh Water Depth (ft.): <u>128', 195', 264'</u>				
Salt Water Depth (ft.): <u>840'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>360', 775'</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Shale Pay zone depth (ft) 7233' TVD  
Gas: Initial open flow 7,704 MCF/d Oil: Initial open flow ----- Bbl/d  
Final open flow 3,456 MCF/d Final open flow ----- Bbl/d  
Time of open flow between initial and final tests 615 Hours  
Static rock Pressure 860 psig (surface pressure) after 72 Hours

Second producing formation N/A Pay zone depth (ft) -----  
Gas: Initial open flow ----- MCF/d Oil: Initial open flow ----- Bbl/d  
Final open flow ----- MCF/d Final open flow ----- Bbl/d  
Time of open flow between initial and final tests ----- Hours  
Static rock Pressure ----- psig (surface pressure) after ----- 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

10/25/2013  
Date

11/22/2013

Were core samples taken? Yes \_\_\_\_\_ No XXWere cuttings caught during drilling? Yes XX No \_\_\_\_\_Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Vaughn Energy GR/Gyro from 5067' - Surf.  
Mud Log from 5050' - 13,882'. PathFinder GR log from 5060' - 13,818'.

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforated interval 7,946 ft – 13,726 ft (950 shots). Frac'd 19 stages using 450 bbls 15% HCL and 158,700 bbls of Slickwater carrying 1,514,600 lbs of 100-mesh sand and 6,236,800 lbs of 40/70 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u> <u>Surface:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Little Lime	1490	1510
Big Lime	1530	1600
Big Injun	1600	1710
Gantz	2040	2062
50 Foot	2080	2130
30 Foot	2130	2160
Gordon Stray	2168	2180
4th Sand	2430	2491
5th Sand	2520	2570
Benson	4358	4398
Sycamore	6420	6483
Geneseo	6945	6960
Tully	6960	7016
Marcellus	7137	13,862 MD-TD

All depths are TVD except TD.

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