

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 5/8/2013  
API #: 47-103-02766

Farm name: John W. & Florence E. Kilcoyne Operator Well No.: 513828

LOCATION: Elevation: 860' Quadrangle: Big Run

District: Grant County: Wetzel, WV  
Latitude: 8,360' Feet South of 39 Deg. 35 Min. 00 Sec.  
Longitude 5,205' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: EQT Production Company

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	26	80	80	126
Agent: Cecil Ray	20	318	318	590
Inspector: David Scranage	13 3/8	859	859	860
Date Permit Issued: 6/13/2012	9 5/8	3,062	3,062	1,714
Date Well Work Commenced: 6/25/2012	5 1/2	11,657	11,657	1,889
Date Well Work Completed: 9/8/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7,051'				
Total Measured Depth (ft): 11,657'				
Fresh Water Depth (ft.): 235'				
Salt Water Depth (ft.): 1,511'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 400', 585', 614'				
Void(s) encountered (N/Y) Depth(s) No				

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

Producing formation Marcellus Pay zone depth (ft) 7,012

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 8,784 MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure 2,900 psig (surface pressure) after 96 Hours

Second producing formation No second formation. 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

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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

5/8/2013  
Date

06/21/2013

Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes: MWD Gamma, Gyro, & CBL Logs

**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:

**See Attachment**

Plug Back Details Including Plug Type and Depth(s): **Pumped solid cement plug from 6,125' to 5,778'**

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth  
Surface:

Sand/Shale / 0 / 400 / 400 -- Coal / 400 / 410 / 10 -- Sand/Shale / 410 / 585 / 175 --  
 Coal / 585 / 596 / 11 -- Sand/Shale / 596 / 614 / 18 -- Coal / 614 / 625 / 11 -- Sand/Shale / 625 / 3,309 / 2,694  
 Warren / 3,309 / 3,358 / 48 -- B-5 / 3,358 / 3,462 / 104 -- SPEECHLEY / 3,462 / 3,873 / 411  
 BALLTOWN A / 3,873 / 4,340 / 466 -- RILEY / 4,340 / 4,985 / 645 -- BENSON / 4,985 / 5,326 / 340 --  
 ALEXANDER / 5,326 / 6,554 / 1,227 -- RHINESTREET / 6,542 / 6,554 / 12 --  
 SONYEA / 6,554 / 6,724 / 169 -- MIDDLESEX / 6,724 / 6,776 / 52 --  
 GENESSEE / 6,776 / 6,859 / 83 -- GENESEO / 6,859 / 6,893 / 33 --  
 TULLY / 6,893 / 6,922 / 29 -- HAMILTON / 6,922 / 7,012 / 89 --  
 MARCELLUS SHALE / 7,012 / 7,051 / 39 --

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EQT WR-35		Completion	Attachment	Well 513828	Treatment	Summary
<b>Stage</b> 1	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/7/2013	<b>From / To</b> 11495 - 11585	<b># of perfs</b>	<b>BD Press</b> 0.00	<b>ATP Psi</b> 8,582.00	<b>SIP Detail</b> 5 Min: 3734 10 Min: 3641 15 Min: 3598	
<b>Avg Rate</b> 65.20	<b>Max Press PSI</b> 9,055.00	<b>ISIP</b> 4,354.00	<b>Frac Gradient</b> 1.05			
<b>Sand Proppant</b> 197,232.00	<b>Water-bbl</b> 10,009.00	<b>SCF N2</b>	<b>Acid-Gal</b> 3,000.00			
<b>Stage</b> 2	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/8/2013	<b>From / To</b> 11345 - 11467	<b># of perfs</b>	<b>BD Press</b> 7,402.00	<b>ATP Psi</b> 8,389.00	<b>SIP Detail</b> 5 Min: 4222 10 Min: 3923 15 Min: 3767	
<b>Avg Rate</b> 82.40	<b>Max Press PSI</b> 8,782.00	<b>ISIP</b> 5,341.00	<b>Frac Gradient</b> 1.19			
<b>Sand</b> 203,375.00	<b>Water-bbl</b> 5,378.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 3	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/8/2013	<b>From / To</b> 11195 - 11317	<b># of perfs</b>	<b>BD Press</b> 6,407.00	<b>ATP Psi</b> 8,300.00	<b>SIP Detail</b> 5 Min: 5045 10 Min: 4621 15 Min: 4340	
<b>Avg Rate</b> 91.30	<b>Max Press PSI</b> 8,831.00	<b>ISIP</b> 5,800.00	<b>Frac Gradient</b> 1.26			
<b>Sand</b> 200,143.00	<b>Water-bbl</b> 5,283.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 4	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/8/2013	<b>From / To</b> 11045 - 11167	<b># of perfs</b>	<b>BD Press</b> 7,895.00	<b>ATP Psi</b> 8,307.00	<b>SIP Detail</b> 5 Min: 4902 10 Min: 4519 15 Min: 4275	
<b>Avg Rate</b> 100.10	<b>Max Press PSI</b> 8,817.00	<b>ISIP</b> 5,173.00	<b>Frac Gradient</b> 1.17			
<b>Sand</b> 200,221.00	<b>Water-bbl</b> 5,179.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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<b>Stage</b> 5	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/8/2013	<b>From / To</b> 10895 - 11017	<b># of perfs</b>	<b>BD Press</b> 6,161.00	<b>ATP Psi</b> 8,554.00	<b>SIP Detail</b> 5 Min: 5423 10 Min: 5098 15 Min: 4821
<b>Avg Rate</b> 97.00	<b>Max Press PSI</b> 8,750.00	<b>ISIP</b> 6,035.00	<b>Frac Gradient</b> 1.29		
<b>Sand Proppant</b> 201,331.00	<b>Water-bbl</b> 5,193.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 6	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/9/2013	<b>From / To</b> 10745 - 10867	<b># of perfs</b>	<b>BD Press</b> 6,008.00	<b>ATP Psi</b> 8,049.00	<b>SIP Detail</b> 5 Min: 5221 10 Min: 4910 15 Min: 4660
<b>Avg Rate</b> 100.10	<b>Max Press PSI</b> 8,247.00	<b>ISIP</b> 5,792.00	<b>Frac Gradient</b> 1.26		
<b>Sand Proppant</b> 200,198.00	<b>Water-bbl</b> 5,165.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 7	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/9/2013	<b>From / To</b> 10445 - 10567	<b># of perfs</b>	<b>BD Press</b> 6,852.00	<b>ATP Psi</b> 8,056.00	<b>SIP Detail</b> 5 Min: 5077 10 Min: 4682 15 Min: 4433
<b>Avg Rate</b> 100.30	<b>Max Press PSI</b> 8,458.00	<b>ISIP</b> 5,875.00	<b>Frac Gradient</b> 1.27		
<b>Sand Proppant</b> 199,603.00	<b>Water-bbl</b> 5,634.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 8	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/9/2013	<b>From / To</b> 10567 - 11445	<b># of perfs</b>	<b>BD Press</b> 6,047.00	<b>ATP Psi</b> 8,044.00	<b>SIP Detail</b> 5 Min: 4711 10 Min: 4383 15 Min: 4188
<b>Avg Rate</b> 99.80	<b>Max Press PSI</b> 8,374.00	<b>ISIP</b> 5,437.00	<b>Frac Gradient</b> 1.21		
<b>Sand Proppant</b> 200,799.00	<b>Water-bbl</b> 5,277.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

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<b>Stage</b> 9	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/9/2013	<b>From / To</b> 10295 - 10417	<b># of perfs</b>	<b>BD Press</b> 5,941.00	<b>ATP Psi</b> 7,873.00	<b>SIP Detail</b> 5 Min: 4917 10 Min: 4555 15 Min: 4321
<b>Avg Rate</b> 99.00	<b>Max Press PSI</b> 8,297.00	<b>ISIP</b> 5,570.00	<b>Frac Gradient</b> 1.22		
<b>Sand Proppant</b> 199,615.00	<b>Water-bbl</b> 5,262.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 10	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/10/2013	<b>From / To</b> 10145 - 10267	<b># of perfs</b>	<b>BD Press</b> 6,283.00	<b>ATP Psi</b> 8,435.00	<b>SIP Detail</b> 5 Min: 5461 10 Min: 5116 15 Min: 4833
<b>Avg Rate</b> 99.90	<b>Max Press PSI</b> 8,750.00	<b>ISIP</b> 6,184.00	<b>Frac Gradient</b> 1.31		
<b>Sand Proppant</b> 201,245.00	<b>Water-bbl</b> 5,181.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 11	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/10/2013	<b>From / To</b> 9995 - 10117	<b># of perfs</b>	<b>BD Press</b> 7,376.00	<b>ATP Psi</b> 8,474.00	<b>SIP Detail</b> 5 Min: 5348 10 Min: 4970 15 Min: 4697
<b>Avg Rate</b> 94.00	<b>Max Press PSI</b> 8,816.00	<b>ISIP</b> 5,976.00	<b>Frac Gradient</b> 1.28		
<b>Sand Proppant</b> 201,309.00	<b>Water-bbl</b> 5,148.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 12	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/10/2013	<b>From / To</b> 9845 - 9967	<b># of perfs</b>	<b>BD Press</b> 6,680.00	<b>ATP Psi</b> 8,449.00	<b>SIP Detail</b> 5 Min: 5223 10 Min: 4936 15 Min: 4746
<b>Avg Rate</b> 88.90	<b>Max Press PSI</b> 8,781.00	<b>ISIP</b> 5,917.00	<b>Frac Gradient</b> 1.27		
<b>Sand Proppant</b> 200,784.00	<b>Water-bbl</b> 5,481.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

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<b>Stage</b> 13	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/10/2013	<b>From / To</b> 9695 - 9817	<b># of perfs</b>	<b>BD Press</b> 6,893.00	<b>ATP Psi</b> 8,521.00	<b>SIP Detail</b> 5 Min: 5442 10 Min: 5210 15 Min: 5039	
<b>Avg Rate</b> 92.40	<b>Max Press PSI</b> 8,796.00	<b>ISIP</b> 5,894.00	<b>Frac Gradient</b> 1.27			
<b>Sand Proppant</b> 203,804.00	<b>Water-bbl</b> 5,385.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 14	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/10/2013	<b>From / To</b> 9545 - 9667	<b># of perfs</b>	<b>BD Press</b> 7,393.00	<b>ATP Psi</b> 8,513.00	<b>SIP Detail</b> 5 Min: 5141 10 Min: 4888 15 Min: 4683	
<b>Avg Rate</b> 92.90	<b>Max Press PSI</b> 8,711.00	<b>ISIP</b> 5,656.00	<b>Frac Gradient</b> 1.24			
<b>Sand Proppant</b> 201,449.00	<b>Water-bbl</b> 5,218.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 15	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/10/2013	<b>From / To</b> 9395 - 9517	<b># of perfs</b>	<b>BD Press</b> 7,002.00	<b>ATP Psi</b> 8,505.00	<b>SIP Detail</b> 5 Min: 5341 10 Min: 5075 15 Min: 4874	
<b>Avg Rate</b> 90.40	<b>Max Press PSI</b> 8,731.00	<b>ISIP</b> 5,775.00	<b>Frac Gradient</b> 1.25			
<b>Sand Proppant</b> 201,758.00	<b>Water-bbl</b> 5,106.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 16	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/11/2013	<b>From / To</b> 9245 - 9367	<b># of perfs</b>	<b>BD Press</b> 7,051.00	<b>ATP Psi</b> 8,456.00	<b>SIP Detail</b> 5 Min: 5057 10 Min: 4700 15 Min: 4540	
<b>Avg Rate</b> 93.20	<b>Max Press PSI</b> 8,688.00	<b>ISIP</b> 5,613.00	<b>Frac Gradient</b> 1.23			
<b>Sand Proppant</b> 199,560.00	<b>Water-bbl</b> 5,296.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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<b>Stage</b> 17	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/11/2013	<b>From / To</b> 9095 - 9217	<b># of perfs</b>	<b>BD Press</b> 6,809.00	<b>ATP Psi</b> 8,505.00	<b>SIP Detail</b> 5 Min: 5469 10 Min: 5199 15 Min: 5014
<b>Avg Rate</b> 95.90	<b>Max Press PSI</b> 8,869.00	<b>ISIP</b> 5,922.00	<b>Frac Gradient</b> 1.27		
<b>Sand Proppant</b> 198,410.00	<b>Water-bbl</b> 5,342.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 18	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/11/2013	<b>From / To</b> 8945 - 9067	<b># of perfs</b>	<b>BD Press</b> 6,625.00	<b>ATP Psi</b> 8,461.00	<b>SIP Detail</b> 5 Min: 5460 10 Min: 5200 15 Min: 4969
<b>Avg Rate</b> 93.90	<b>Max Press PSI</b> 8,740.00	<b>ISIP</b> 5,606.00	<b>Frac Gradient</b> 1.23		
<b>Sand Proppant</b> 200,506.00	<b>Water-bbl</b> 5,235.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 19	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/11/2013	<b>From / To</b> 8795 - 8917	<b># of perfs</b>	<b>BD Press</b> 6,799.00	<b>ATP Psi</b> 8,491.00	<b>SIP Detail</b> 5 Min: 5021 10 Min: 4728 15 Min: 4527
<b>Avg Rate</b> 98.80	<b>Max Press PSI</b> 8,788.00	<b>ISIP</b> 5,513.00	<b>Frac Gradient</b> 1.22		
<b>Sand Proppant</b> 203,779.00	<b>Water-bbl</b> 5,213.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 20	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 2/12/2013	<b>From / To</b> 8645 - 8767	<b># of perfs</b>	<b>BD Press</b> 6,760.00	<b>ATP Psi</b> 8,478.00	<b>SIP Detail</b> 5 Min: 5530 10 Min: 5289 15 Min: 5116
<b>Avg Rate</b> 99.30	<b>Max Press PSI</b> 8,747.00	<b>ISIP</b> 5,868.00	<b>Frac Gradient</b> 1.27		
<b>Sand Proppant</b> 201,787.00	<b>Water-bbl</b> 5,113.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

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<b>Stage</b> 21	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/12/2013	<b>From / To</b> 8495 - 8617	<b># of perfs</b>	<b>BD Press</b> 6,458.00	<b>ATP Psi</b> 8,305.00	<b>SIP Detail</b> 5 Min: 5521 10 Min: 5290 15 Min: 5077	
<b>Avg Rate</b> 100.00	<b>Max Press PSI</b> 8,561.00	<b>ISIP</b> 6,035.00	<b>Frac Gradient</b> 1.29			
<b>Sand Proppant</b> 190,890.00	<b>Water-bbl</b> 5,163.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 22	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/12/2013	<b>From / To</b> 8345 - 8467	<b># of perfs</b>	<b>BD Press</b> 6,281.00	<b>ATP Psi</b> 8,554.00	<b>SIP Detail</b> 5 Min: 5256 10 Min: 4940 15 Min: 4733	
<b>Avg Rate</b> 84.60	<b>Max Press PSI</b> 9,406.00	<b>ISIP</b> 6,048.00	<b>Frac Gradient</b> 1.29			
<b>Sand Proppant</b> 199,557.00	<b>Water-bbl</b> 7,718.00	<b>SCF N2</b>	<b>Acid-Gal</b> 1,250.00			

<b>Stage</b> 23	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/12/2013	<b>From / To</b> 8195 - 8317	<b># of perfs</b>	<b>BD Press</b> 6,146.00	<b>ATP Psi</b> 8,340.00	<b>SIP Detail</b> 5 Min: 5587 10 Min: 5309 15 Min: 5132	
<b>Avg Rate</b> 97.80	<b>Max Press PSI</b> 8,527.00	<b>ISIP</b> 6,033.00	<b>Frac Gradient</b> 1.29			
<b>Sand Proppant</b> 202,443.00	<b>Water-bbl</b> 5,194.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 24	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/12/2013	<b>From / To</b> 8045 - 8167	<b># of perfs</b>	<b>BD Press</b> 6,648.00	<b>ATP Psi</b> 8,347.00	<b>SIP Detail</b> 5 Min: 5536 10 Min: 5278 15 Min: 5069	
<b>Avg Rate</b> 99.40	<b>Max Press PSI</b> 8,617.00	<b>ISIP</b> 6,141.00	<b>Frac Gradient</b> 1.31			
<b>Sand Proppant</b> 201,887.00	<b>Water-bbl</b> 5,020.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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<b>Stage</b> 25	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/13/2013	<b>From / To</b> 7895 - 8017	<b># of perfs</b>	<b>BD Press</b> 6,494.00	<b>ATP Psi</b> 8,045.00	<b>SIP Detail</b> 5 Min: 5455 10 Min: 5162 15 Min: 4970	
<b>Avg Rate</b> 93.30	<b>Max Press PSI</b> 9,661.00	<b>ISIP</b> 5,913.00	<b>Frac Gradient</b> 1.27			
<b>Sand Proppant</b> 200,185.00	<b>Water-bbl</b> 6,786.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
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<b>Stage</b> 26	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/13/2013	<b>From / To</b> 7745 - 7867	<b># of perfs</b>	<b>BD Press</b> 6,800.00	<b>ATP Psi</b> 8,110.00	<b>SIP Detail</b> 5 Min: 5071 10 Min: 4750 15 Min: 4570	
<b>Avg Rate</b> 98.70	<b>Max Press PSI</b> 8,642.00	<b>ISIP</b> 5,847.00	<b>Frac Gradient</b> 1.27			
<b>Sand Proppant</b> 203,160.00	<b>Water-bbl</b> 4,842.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
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<b>Stage</b> 27	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 2/13/2013	<b>From / To</b> 7595 - 7717	<b># of perfs</b>	<b>BD Press</b> 7,799.00	<b>ATP Psi</b> 8,120.00	<b>SIP Detail</b> 5 Min: 5086 10 Min: 4649 15 Min: 4413	
<b>Avg Rate</b> 100.00	<b>Max Press PSI</b> 8,801.00	<b>ISIP</b> 6,214.00	<b>Frac Gradient</b> 1.32			
<b>Sand Proppant</b> 199,744.00	<b>Water-bbl</b> 4,903.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

Received

MAY 15 2013

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WV Dept. of Environmental Protection  
06/21/2013