

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: 2/7/2013  
API #: 47-10302701

Farm name: Sharon Scyoc Operator Well No.: 513981

LOCATION: Elevation: 1,474 Quadrangle: Pine Grove

District: Grant County: Wetzel, WV  
Latitude: 39.565357 Feet South of \_\_\_\_\_ Deg. 39 Min. 35 Sec.  
Longitude: -80.626398 Feet West of West Deg. 80 Min. 37 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	60	60	86.49
Agent: Cecil Ray	13 3/8	850.6	850.6	826
Inspector: Pine Grove	9 5/8	3,398	3,398	873.2
Date Permit Issued: 10-27-2011	5 1/2	15,004	15,004	2,792.6
Date Well Work Commenced: 6-28-2012				
Date Well Work Completed: 7-19-2012				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7,506				
Total Measured Depth (ft): 15,017'				
Fresh Water Depth (ft.): 340 and 736				
Salt Water Depth (ft.): No show of salt water				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 409, 1111, 1151				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) 7,456

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

Final open flow \*see later \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

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

Static rock Pressure \*see later \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing 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]  
Signature

2/7/13  
Date

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

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

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

**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):

N/A

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

Sand & Shale / 0 / 246 / 246 -- Red Rock / 246 / 250 / 4 -- Sand & Shale / 250 / 409 / 159 -- Coal / 409 / 415 / 6 --  
 Sand & Shale / 415 / 557 / 142 -- Red Rock / 557 / 565 / 8 -- Sand & Shale / 565 / 765 / 200 -- Red Rock / 765 / 783 / 18 --  
 Sand & Shale / 783 / 1054 / 271 -- Red Rock / 1054 / 1062 / 8 -- Sand & Shale / 1062 / 1111 / 49 -- Coal / 1111 / 1115 / 4 --  
 Sand & Shale / 1115 / 1151 / 36 -- Coal / 1151 / 1170 / 19 -- Sand & Shale / 1170 / 1367 / 197 -- Red Rock / 1367 / 1394 / 27 --  
 Sand & Shale / 1394 / 1454 / 60 -- Red Rock / 1454 / 1465 / 11 -- Sand & Shale / 1465 / 2306 / 841 -- Maxton / 2306 / 2524 / 218 --  
 Big Lime / 2524 / 2650 / 126 -- Big Injun / 2650 / 2795 / 145 -- Weir / 2795 / 2994 / 199  
 Gantz / 2994 / 3114 / 120 -- 50F / 3114 / 3190 / 76 -- 30F / 3190 / 3242 / 52 -- Gordon / 3242 / 3324 / 82 --  
 4th / 3324 / 3450 / 126 -- Bayard / 3450 / 3902 / 452 -- Warren / 3902 / 4053 / 151 -- Speechley / 4053 / 4898 / 845 --  
 Riley / 4898 / 5566 / 668 -- Benson / 5566 / 5882 / 316 -- Alexander / 5882 / 7034 / 1152 --  
 Sonyea / 7034 / 7202 / 168 -- Middlesex / 7202 / 7242 / 40 -- Genessee / 7242 / 7326 / 84 --  
 Geneseo / 7326 / 7351 / 25 -- Tully / 7351 / 7376 / 25 -- Hamilton / 7376 / 7456 / 80 --  
 Marcellus Blk Shale / 7456 / 7506 / 50 -- Onondaga / 7506

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
<b>Stage 1</b>	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 10/20/2012	<b>From / To</b> 14823 - 14945	<b># of perfs</b>	<b>BD Press</b> 5,943.00	<b>ATP Psi</b> 8,326.00	<b>SIP Detail</b> 5 Min: 3526 10 Min: 3352 15 Min: 3279
<b>Avg Rate</b> 82.10	<b>Max Press PSI</b> 8,868.00	<b>ISIP</b> 4,268.00	<b>Frac Gradient</b> 1		
<b>Sand Proppant</b> 201,060.00	<b>Water-bbl</b> 6,722.00	<b>SCF N2</b>	<b>Acid-Gal</b> 2,000.00		
<b>Stage 2</b>	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 10/21/2012	<b>From / To</b> 14673 - 14795	<b># of perfs</b>	<b>BD Press</b> 7,560.00	<b>ATP Psi</b> 8,344.00	<b>SIP Detail</b> 5 Min: 3615 10 Min: 3396 15 Min: 3315
<b>Avg Rate</b> 86.00	<b>Max Press PSI</b> 8,932.00	<b>ISIP</b> 4,778.00	<b>Frac Gradient</b> 1.07		
<b>Sand Proppant</b> 201,314.00	<b>Water-bbl</b> 5,733.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		
<b>Stage 3</b>	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 10/21/2012	<b>From / To</b> 14523 - 14645	<b># of perfs</b>	<b>BD Press</b> 6,879.00	<b>ATP Psi</b> 8,424.00	<b>SIP Detail</b> 5 Min: 3526 10 Min: 3346 15 Min: 3271
<b>Avg Rate</b> 89.50	<b>Max Press PSI</b> 8,790.00	<b>ISIP</b> 5,084.00	<b>Frac Gradient</b> 1.11		
<b>Sand Proppant</b> 195,802.00	<b>Water-bbl</b> 5,401.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

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<b>Stage</b> 4	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 10/21/2012	<b>From / To</b> 14373 - 14495	<b># of perfs</b>	<b>BD Press</b> 8,034.00	<b>ATP Psi</b> 8,482.00	<b>SIP Detail</b> 5 Min: 3817 10 Min: 3606 15 Min: 3501
<b>Avg Rate</b> 86.10	<b>Max Press PSI</b> 8,813.00	<b>ISIP</b> 4,617.00	<b>Frac Gradient</b> 1.04		
<b>Sand Proppant</b> 202,062.00	<b>Water-bbl</b> 5,423.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

<b>Stage</b> 5	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 10/21/2012	<b>From / To</b> 14223 - 14345	<b># of perfs</b>	<b>BD Press</b> 7,347.00	<b>ATP Psi</b> 8,396.00	<b>SIP Detail</b> 5 Min: 4255 10 Min: 4001 15 Min: 3845
<b>Avg Rate</b> 87.90	<b>Max Press PSI</b> 8,966.00	<b>ISIP</b> 5,208.00	<b>Frac Gradient</b> 1.12		
<b>Sand Proppant</b> 201,991.00	<b>Water-bbl</b> 5,655.00	<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> 10/22/2012	<b>From / To</b> 14073 - 14195	<b># of perfs</b>	<b>BD Press</b> 6,327.00	<b>ATP Psi</b> 8,531.00	<b>SIP Detail</b> 5 Min: 3917 10 Min: 3677 15 Min: 3576
<b>Avg Rate</b> 88.30	<b>Max Press PSI</b> 8,816.00	<b>ISIP</b> 4,739.00	<b>Frac Gradient</b> 1.06		
<b>Sand Proppant</b> 200,080.00	<b>Water-bbl</b> 5,618.00	<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> 10/22/2012	<b>From / To</b> 13923 - 14045	<b># of perfs</b>	<b>BD Press</b> 6,430.00	<b>ATP Psi</b> 8,173.00	<b>SIP Detail</b> 5 Min: 3884 10 Min: 3594 15 Min: 3478
<b>Avg Rate</b> 89.90	<b>Max Press PSI</b> 8,657.00	<b>ISIP</b> 5,043.00	<b>Frac Gradient</b> 1.1		
<b>Sand Proppant</b> 197,459.00	<b>Water-bbl</b> 5,495.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00		

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<b>Stage</b> 8	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater			
<b>Date</b> 10/22/2012	<b>From / To</b> 13773 - 13895	<b># of perfs</b>	<b>BD Press</b> 6,365.00	<b>ATP Psi</b> 8,201.00	<b>SIP Detail</b> 5 Min: 3911 10 Min: 3683 15 Min: 3573
<b>Avg Rate</b> 92.40	<b>Max Press PSI</b> 8,830.00	<b>ISIP</b> 5,002.00	<b>Frac Gradient</b> 1.1		
<b>Sand Proppant</b> 201,884.00	<b>Water-bbl</b> 6,198.00	<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> 10/22/2012	<b>From / To</b> 13623 - 13745	<b># of perfs</b>	<b>BD Press</b> 7,732.00	<b>ATP Psi</b> 8,468.00	<b>SIP Detail</b> 5 Min: 4391 10 Min: 4030 15 Min: 3853	
<b>Avg Rate</b> 78.10	<b>Max Press PSI</b> 9,333.00	<b>ISIP</b> 5,518.00	<b>Frac Gradient</b> 1.17			
<b>Sand Proppant</b> 255,758.00	<b>Water-bbl</b> 6,566.00	<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> 10/23/2012	<b>From / To</b> 13473 - 13595	<b># of perfs</b>	<b>BD Press</b> 6,327.00	<b>ATP Psi</b> 8,143.00	<b>SIP Detail</b> 5 Min: 4208 10 Min: 3876 15 Min: 3717	
<b>Avg Rate</b> 96.40	<b>Max Press PSI</b> 8,814.00	<b>ISIP</b> 5,135.00	<b>Frac Gradient</b> 1.11			
<b>Sand Proppant</b> 201,709.00	<b>Water-bbl</b> 5,497.00	<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> 10/23/2012	<b>From / To</b> 13323 - 13445	<b># of perfs</b>	<b>BD Press</b> 7,823.00	<b>ATP Psi</b> 8,275.00	<b>SIP Detail</b> 5 Min: 0 10 Min: 0 15 Min: 0	
<b>Avg Rate</b> 76.10	<b>Max Press PSI</b> 10,068.00	<b>ISIP</b> 7,983.00	<b>Frac Gradient</b> 1.5			
<b>Sand Proppant</b> 201,283.00	<b>Water-bbl</b> 5,599.00	<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> 10/23/2012	<b>From / To</b> 13173 - 13295	<b># of perfs</b>	<b>BD Press</b> 6,974.00	<b>ATP Psi</b> 8,340.00	<b>SIP Detail</b> 5 Min: 4252 10 Min: 4040 15 Min: 3901	
<b>Avg Rate</b> 85.80	<b>Max Press PSI</b> 9,289.00	<b>ISIP</b> 4,692.00	<b>Frac Gradient</b> 1.06			
<b>Sand Proppant</b> 198,654.00	<b>Water-bbl</b> 5,679.00	<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> 10/24/2012	<b>From / To</b> 13023 - 13145	<b># of perfs</b>	<b>BD Press</b> 6,886.00	<b>ATP Psi</b> 8,273.00	<b>SIP Detail</b> 5 Min: 4363 10 Min: 4124 15 Min: 3967	
<b>Avg Rate</b> 94.20	<b>Max Press PSI</b> 8,817.00	<b>ISIP</b> 5,549.00	<b>Frac Gradient</b> 1.17			
<b>Sand Proppant</b> 186,720.00	<b>Water-bbl</b> 5,432.00	<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> 10/24/2012	<b>From / To</b> 12873 - 12995	<b># of perfs</b>	<b>BD Press</b> 6,371.00	<b>ATP Psi</b> 7,988.00	<b>SIP Detail</b> 5 Min: 4418 10 Min: 3845 15 Min: 3701	
<b>Avg Rate</b> 97.10	<b>Max Press PSI</b> 8,591.00	<b>ISIP</b> 5,163.00	<b>Frac Gradient</b> 1.12			
<b>Sand Proppant</b> 198,892.00	<b>Water-bbl</b> 5,495.00	<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> 10/24/2012	<b>From / To</b> 12723 - 12845	<b># of perfs</b>	<b>BD Press</b> 5,962.00	<b>ATP Psi</b> 7,947.00	<b>SIP Detail</b> 5 Min: 4188 10 Min: 3869 15 Min: 3695	
<b>Avg Rate</b> 96.50	<b>Max Press PSI</b> 8,422.00	<b>ISIP</b> 5,102.00	<b>Frac Gradient</b> 1.11			
<b>Sand Proppant</b> 201,497.00	<b>Water-bbl</b> 4,999.00	<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> 10/24/2012	<b>From / To</b> 12573 - 12695	<b># of perfs</b>	<b>BD Press</b> 6,507.00	<b>ATP Psi</b> 7,932.00	<b>SIP Detail</b> 5 Min: 4492 10 Min: 4105 15 Min: 3906	
<b>Avg Rate</b> 95.50	<b>Max Press PSI</b> 8,632.00	<b>ISIP</b> 5,602.00	<b>Frac Gradient</b> 1.18			
<b>Sand Proppant</b> 200,390.00	<b>Water-bbl</b> 5,466.00	<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> 10/25/2012	<b>From / To</b> 12423 - 12545	<b># of perfs</b>	<b>BD Press</b> 7,239.00	<b>ATP Psi</b> 8,239.00	<b>SIP Detail</b> 5 Min: 4877 10 Min: 4544 15 Min: 4356	
<b>Avg Rate</b> 95.55	<b>Max Press PSI</b> 8,645.00	<b>ISIP</b> 5,704.00	<b>Frac Gradient</b> 1.19			
<b>Sand Proppant</b> 204,997.00	<b>Water-bbl</b> 5,424.00	<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> 10/25/2012	<b>From / To</b> 12273 - 12395	<b># of perfs</b>	<b>BD Press</b> 6,610.00	<b>ATP Psi</b> 8,165.00	<b>SIP Detail</b> 5 Min: 4326 10 Min: 4016 15 Min: 3851	
<b>Avg Rate</b> 99.10	<b>Max Press PSI</b> 8,726.00	<b>ISIP</b> 5,278.00	<b>Frac Gradient</b> 1.19			
<b>Sand Proppant</b> 199,523.00	<b>Water-bbl</b> 5,270.00	<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> 10/25/2012	<b>From / To</b> 12123 - 12259	<b># of perfs</b>	<b>BD Press</b> 5,954.00	<b>ATP Psi</b> 7,743.00	<b>SIP Detail</b> 5 Min: 4564 10 Min: 4109 15 Min: 3886	
<b>Avg Rate</b> 95.20	<b>Max Press PSI</b> 8,829.00	<b>ISIP</b> 5,454.00	<b>Frac Gradient</b> 1.16			
<b>Sand Proppant</b> 201,871.00	<b>Water-bbl</b> 5,376.00	<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> 10/25/2012	<b>From / To</b> 11973 - 12095	<b># of perfs</b>	<b>BD Press</b> 6,166.00	<b>ATP Psi</b> 8,183.00	<b>SIP Detail</b> 5 Min: 4849 10 Min: 3996 15 Min: 3806	
<b>Avg Rate</b> 99.00	<b>Max Press PSI</b> 8,779.00	<b>ISIP</b> 5,289.00	<b>Frac Gradient</b> 1.14			
<b>Sand Proppant</b> 185,377.00	<b>Water-bbl</b> 5,327.00	<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> 10/25/2012	<b>From / To</b> 11823 - 11943	<b># of perfs</b>	<b>BD Press</b> 6,699.00	<b>ATP Psi</b> 7,940.00	<b>SIP Detail</b> 5 Min: 4343 10 Min: 4010 15 Min: 3829	
<b>Avg Rate</b> 95.50	<b>Max Press PSI</b> 8,912.00	<b>ISIP</b> 5,101.00	<b>Frac Gradient</b> 1.11			
<b>Sand Proppant</b> 198,800.00	<b>Water-bbl</b> 5,334.00	<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> 10/25/2012	<b>From / To</b> 11673 - 11795	<b># of perfs</b>	<b>BD Press</b> 6,002.00	<b>ATP Psi</b> 8,041.00	<b>SIP Detail</b> 5 Min: 4180 10 Min: 3919 15 Min: 3790	
<b>Avg Rate</b> 95.56	<b>Max Press PSI</b> 9,036.00	<b>ISIP</b> 5,068.00	<b>Frac Gradient</b> 1.11			
<b>Sand Proppant</b> 199,140.00	<b>Water-bbl</b> 5,394.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 23	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/26/2012	<b>From / To</b> 11523 - 11645	<b># of perfs</b>	<b>BD Press</b> 6,374.00	<b>ATP Psi</b> 8,073.00	<b>SIP Detail</b> 5 Min: 4123 10 Min: 3820 15 Min: 3688	
<b>Avg Rate</b> 95.60	<b>Max Press PSI</b> 8,880.00	<b>ISIP</b> 5,165.00	<b>Frac Gradient</b> 1.12			
<b>Sand Proppant</b> 200,680.00	<b>Water-bbl</b> 5,418.00	<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> 10/26/2012	<b>From / To</b> 11373 - 11495	<b># of perfs</b>	<b>BD Press</b> 6,352.00	<b>ATP Psi</b> 8,089.00	<b>SIP Detail</b> 5 Min: 4405 10 Min: 4193 15 Min: 4036	
<b>Avg Rate</b> 98.10	<b>Max Press PSI</b> 8,945.00	<b>ISIP</b> 5,637.00	<b>Frac Gradient</b> 1.18			
<b>Sand Proppant</b> 190,120.00	<b>Water-bbl</b> 5,193.00	<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> 10/26/2012	<b>From / To</b> 11223 - 11345	<b># of perfs</b>	<b>BD Press</b> 6,090.00	<b>ATP Psi</b> 8,164.00	<b>SIP Detail</b> 5 Min: 4317 10 Min: 3888 15 Min: 3690	
<b>Avg Rate</b> 97.50	<b>Max Press PSI</b> 8,926.00	<b>ISIP</b> 5,367.00	<b>Frac Gradient</b> 1.15			
<b>Sand Proppant</b> 197,730.00	<b>Water-bbl</b> 5,625.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 26	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/26/2012	<b>From / To</b> 11073 - 11195	<b># of perfs</b>	<b>BD Press</b> 6,109.00	<b>ATP Psi</b> 8,234.00	<b>SIP Detail</b> 5 Min: 3906 10 Min: 3675 15 Min: 3577	
<b>Avg Rate</b> 97.20	<b>Max Press PSI</b> 8,693.00	<b>ISIP</b> 4,921.00	<b>Frac Gradient</b> 1.09			
<b>Sand Proppant</b> 201,080.00	<b>Water-bbl</b> 5,553.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 27	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/26/2012	<b>From / To</b> 10923 - 11045	<b># of perfs</b>	<b>BD Press</b> 7,107.00	<b>ATP Psi</b> 8,224.00	<b>SIP Detail</b> 5 Min: 4434 10 Min: 4100 15 Min: 3903	
<b>Avg Rate</b> 95.10	<b>Max Press PSI</b> 8,780.00	<b>ISIP</b> 5,820.00	<b>Frac Gradient</b> 1.21			
<b>Sand Proppant</b> 171,728.00	<b>Water-bbl</b> 5,085.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 28	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/27/2012	<b>From / To</b> 10773 - 10895	<b># of perfs</b>	<b>BD Press</b> 6,429.00	<b>ATP Psi</b> 8,007.00	<b>SIP Detail</b> 5 Min: 4305 10 Min: 3942 15 Min: 3768	
<b>Avg Rate</b> 98.90	<b>Max Press PSI</b> 8,500.00	<b>ISIP</b> 5,745.00	<b>Frac Gradient</b> 1.2			
<b>Sand Proppant</b> 200,591.00	<b>Water-bbl</b> 5,048.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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<b>Stage</b> 29	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/27/2012	<b>From / To</b> 10623 - 10745	<b># of perfs</b>	<b>BD Press</b> 6,510.00	<b>ATP Psi</b> 8,175.00	<b>SIP Detail</b> 5 Min: 3728 10 Min: 3581 15 Min: 3507	
<b>Avg Rate</b> 94.70	<b>Max Press PSI</b> 8,917.00	<b>ISIP</b> 4,478.00	<b>Frac Gradient</b> 1.03			
<b>Sand Proppant</b> 194,390.00	<b>Water-bbl</b> 5,478.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 30	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/27/2012	<b>From / To</b> 10473 - 10593	<b># of perfs</b>	<b>BD Press</b> 7,443.00	<b>ATP Psi</b> 8,181.00	<b>SIP Detail</b> 5 Min: 4150 10 Min: 3876 15 Min: 3727	
<b>Avg Rate</b> 96.10	<b>Max Press PSI</b> 8,598.00	<b>ISIP</b> 4,150.00	<b>Frac Gradient</b> 1.12			
<b>Sand Proppant</b> 200,890.00	<b>Water-bbl</b> 5,432.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 31	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/27/2012	<b>From / To</b> 10323 - 10445	<b># of perfs</b>	<b>BD Press</b> 7,506.00	<b>ATP Psi</b> 7,837.00	<b>SIP Detail</b> 5 Min: 4077 10 Min: 3831 15 Min: 3714	
<b>Avg Rate</b> 81.70	<b>Max Press PSI</b> 9,421.00	<b>ISIP</b> 5,568.00	<b>Frac Gradient</b> 1.17			
<b>Sand Proppant</b> 202,270.00	<b>Water-bbl</b> 5,989.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			
<b>Stage</b> 32	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/27/2012	<b>From / To</b> 10173 - 10295	<b># of perfs</b>	<b>BD Press</b> 8,738.00	<b>ATP Psi</b> 8,297.00	<b>SIP Detail</b> 5 Min: 3817 10 Min: 3625 15 Min: 3539	
<b>Avg Rate</b> 92.40	<b>Max Press PSI</b> 9,087.00	<b>ISIP</b> 5,091.00	<b>Frac Gradient</b> 1.11			
<b>Sand Proppant</b> 201,200.00	<b>Water-bbl</b> 5,084.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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<b>Stage</b> 33	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/28/2012	<b>From / To</b> 10023 - 10145	<b># of perfs</b>	<b>BD Press</b> 5,956.00	<b>ATP Psi</b> 8,128.00	<b>SIP Detail</b> 5 Min: 4264 10 Min: 3915 15 Min: 3744	
<b>Avg Rate</b> 100.10	<b>Max Press PSI</b> 8,693.00	<b>ISIP</b> 5,948.00	<b>Frac Gradient</b> 1.22			
<b>Sand Proppant</b> 202,096.00	<b>Water-bbl</b> 5,285.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 34	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/28/2012	<b>From / To</b> 9873 - 9995	<b># of perfs</b>	<b>BD Press</b> 7,179.00	<b>ATP Psi</b> 8,245.00	<b>SIP Detail</b> 5 Min: 6395 10 Min: 5452 15 Min: 4876	
<b>Avg Rate</b> 91.80	<b>Max Press PSI</b> 9,530.00	<b>ISIP</b> 9,135.00	<b>Frac Gradient</b> 1.65			
<b>Sand Proppant</b> 177,303.00	<b>Water-bbl</b> 4,965.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 35	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/28/2012	<b>From / To</b> 9723 - 9845	<b># of perfs</b>	<b>BD Press</b> 6,589.00	<b>ATP Psi</b> 7,990.00	<b>SIP Detail</b> 5 Min: 4199 10 Min: 3922 15 Min: 3776	
<b>Avg Rate</b> 96.20	<b>Max Press PSI</b> 8,780.00	<b>ISIP</b> 5,176.00	<b>Frac Gradient</b> 1.12			
<b>Sand Proppant</b> 196,570.00	<b>Water-bbl</b> 6,526.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 36	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/28/2012	<b>From / To</b> 9573 - 9695	<b># of perfs</b>	<b>BD Press</b> 7,187.00	<b>ATP Psi</b> 8,070.00	<b>SIP Detail</b> 5 Min: 4073 10 Min: 3826 15 Min: 3679	
<b>Avg Rate</b> 98.10	<b>Max Press PSI</b> 8,832.00	<b>ISIP</b> 5,386.00	<b>Frac Gradient</b> 1.15			
<b>Sand Proppant</b> 186,149.00	<b>Water-bbl</b> 5,207.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 37	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/29/2012	<b>From / To</b> 9423 - 9545	<b># of perfs</b>	<b>BD Press</b> 6,400.00	<b>ATP Psi</b> 7,690.00	<b>SIP Detail</b> 5 Min: 4535 10 Min: 4123 15 Min: 3880	
<b>Avg Rate</b> 98.20	<b>Max Press PSI</b> 8,281.00	<b>ISIP</b> 5,237.00	<b>Frac Gradient</b> 1.13			
<b>Sand Proppant</b> 201,925.00	<b>Water-bbl</b> 5,498.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 38	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/31/2012	<b>From / To</b> 9273 - 9395	<b># of perfs</b>	<b>BD Press</b> 7,523.00	<b>ATP Psi</b> 7,929.00	<b>SIP Detail</b> 5 Min: 4158 10 Min: 5857 15 Min: 3665	
<b>Avg Rate</b> 96.50	<b>Max Press PSI</b> 8,892.00	<b>ISIP</b> 4,925.00	<b>Frac Gradient</b> 1.09			
<b>Sand Proppant</b> 199,101.00	<b>Water-bbl</b> 5,397.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 39	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/31/2012	<b>From / To</b> 9123 - 9245	<b># of perfs</b>	<b>BD Press</b> 7,132.00	<b>ATP Psi</b> 8,066.00	<b>SIP Detail</b> 5 Min: 3954 10 Min: 3736 15 Min: 3635	
<b>Avg Rate</b> 97.80	<b>Max Press PSI</b> 8,945.00	<b>ISIP</b> 4,861.00	<b>Frac Gradient</b> 1.08			
<b>Sand Proppant</b> 193,834.00	<b>Water-bbl</b> 5,425.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 40	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/31/2012	<b>From / To</b> 8973 - 9095	<b># of perfs</b>	<b>BD Press</b> 7,027.00	<b>ATP Psi</b> 8,216.00	<b>SIP Detail</b> 5 Min: 3740 10 Min: 3572 15 Min: 3500	
<b>Avg Rate</b> 97.00	<b>Max Press PSI</b> 8,659.00	<b>ISIP</b> 4,668.00	<b>Frac Gradient</b> 1.06			
<b>Sand Proppant</b> 202,177.00	<b>Water-bbl</b> 4,950.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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<b>Stage</b> 41	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 10/31/2012	<b>From / To</b> 8823 - 8945	<b># of perfs</b>	<b>BD Press</b> 6,932.00	<b>ATP Psi</b> 7,948.00	<b>SIP Detail</b> 5 Min: 3853 10 Min: 3634 15 Min: 3526	
<b>Avg Rate</b> 98.90	<b>Max Press PSI</b> 8,292.00	<b>ISIP</b> 4,792.00	<b>Frac Gradient</b> 1.07			
<b>Sand Proppant</b> 195,867.00	<b>Water-bbl</b> 5,010.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 42	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 11/1/2012	<b>From / To</b> 8673 - 8795	<b># of perfs</b>	<b>BD Press</b> 6,942.00	<b>ATP Psi</b> 8,040.00	<b>SIP Detail</b> 5 Min: 3656 10 Min: 3523 15 Min: 3449	
<b>Avg Rate</b> 98.90	<b>Max Press PSI</b> 8,818.00	<b>ISIP</b> 4,563.00	<b>Frac Gradient</b> 1.04			
<b>Sand Proppant</b> 200,637.00	<b>Water-bbl</b> 5,261.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 43	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 11/1/2012	<b>From / To</b> 8523 - 8645	<b># of perfs</b>	<b>BD Press</b> 6,661.00	<b>ATP Psi</b> 8,365.00	<b>SIP Detail</b> 5 Min: 3895 10 Min: 3703 15 Min: 3594	
<b>Avg Rate</b> 98.70	<b>Max Press PSI</b> 8,681.00	<b>ISIP</b> 4,666.00	<b>Frac Gradient</b> 1.06			
<b>Sand Proppant</b> 165,494.00	<b>Water-bbl</b> 5,225.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

<b>Stage</b> 44	<b>Formation</b> MARCELLUS	<b>Frac Type</b> Slickwater				
<b>Date</b> 11/1/2012	<b>From / To</b> 8373 - 8495	<b># of perfs</b>	<b>BD Press</b> 6,547.00	<b>ATP Psi</b> 8,016.00	<b>SIP Detail</b> 5 Min: 3654 10 Min: 3501 15 Min: 3431	
<b>Avg Rate</b> 96.00	<b>Max Press PSI</b> 8,842.00	<b>ISIP</b> 4,405.00	<b>Frac Gradient</b> 1.02			
<b>Sand Proppant</b> 203,206.00	<b>Water-bbl</b> 4,786.00	<b>SCF N2</b>	<b>Acid-Gal</b> 750.00			

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