

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: 2013-01-14  
API #: 47-10302674 Ammended

Farm name: John W. & Florence E. Kilcoyne Operator Well No.: 513473

LOCATION: Elevation: 857 Quadrangle: Big Run

District: Grant County: Wetzel, WV  
Latitude: 39.56059 Feet South of \_\_\_\_\_ Deg. 39 Min. 35 Sec.  
Longitude: -80.56027 Feet West of West Deg. 80 Min. 32 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	16	277	277	354
Agent: Cecil Ray	16	42	42	38.94
Inspector: David Scranage	13 3/8	825	825	357
Date Permit Issued: 7-14-2011	9 5/8	3,096	3,096	1,416.31
Date Well Work Commenced: 12-26-2011	5 1/2	11,056	11,056	1,475.6
Date Well Work Completed: 1-20-2012				
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): 7,017				
Total Measured Depth (ft): 11,056				
Fresh Water Depth (ft.): 220, 1505				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 565				
Void(s) encountered (N/Y) Depth(s) No				

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

Producing formation Marcellus Pay zone depth (ft): \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 9,767 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 3,024 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

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.

Mike Burt  
Signature

2013-01-14  
Date

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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 N/A

**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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Shale / 0 / 40 / 40 -- Siltstone / 40 / 220 / 180 -- Siltstone & Shale / 220 / 450 / 230		
Redrock / 450 / 565 / 115 -- Coal / 565 / 608 / 43 -- Siltstone / 608 / 667/59		
Redrock / 667 / 728 / 61 -- Shale / 728 / 790 / 62 -- Redrock / 790 / 885 / 95		
Sandstone / 885 / 1505 / 620 -- Maxton / 1505 / 1693 / 188 -- Sand & Shale / 1693 / 3309.76/1616.76		
Warren / 3,309.76 / 3,358.37 / 48.61 -- B-5 / 3,358.37 / 3,462.54 / 104.17 --		
Speechley / 3,462.54 / 3,873.66 / 411.12 -- Balltown A / 3,873.66 / 4,340.33 / 466.67 --		
Riley / 4,340.33 / 4,985.92 / 645.59 -- Benson / 4,985.92 / 5,326.4 / 340.48 --		
Alexander / 5,326.4 / 6,554.39 / 1,227.99 -- Sonyea / 6,554.39 / 6,724.13 / 169.74 --		
Middlesex / 6,724.13 / 6,776.42 / 52.29 -- Genesee / 6,776.42 / 6,859.75 / 83.33 --		
Geneseo / 6,859.75 / 6,893.08 / 33.33 -- Tully / 6,893.08 / 6,922.85 / 29.77 --		
Hamilton / 6,922.85 / 7,012.13 / 89.28 -- Marcellus / 7,012.13 --		
Purcell / 7,021.66 -- Cherry Valley / 7,037.73 --		

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EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
1	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
5/5/2012	10768 - 11010		6,982.00	8,174.00	5 Min: 5884	
					10 Min: 4891	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		15 Min: 4366	
82.11	9,736.00	9,266.00	1.4			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
378,606.00	9,998.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
2	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
5/5/2012	10468 - 10710		7,182.00	8,378.00	5 Min: 4796	
					10 Min: 4446	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		15 Min: 4227	
84.80	9,276.00	5,420.00	1.2			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
398,761.00	9,898.00		750.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
3	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
5/6/2012	10168 - 10410		7,043.00	7,940.00	5 Min: 4983	
					10 Min: 4692	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		15 Min: 4518	
91.80	8,268.00	5,685.00	1.24			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
399,775.00	5,685.00		750.00			

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<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
4	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/6/2012	9868 - 10110		6,378.00	7,997.00	5 Min: 4937
					10 Min: 4620
					15 Min: 4413
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
95.00	8,876.00	5,534.00	1.22		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
399,166.00	9,250.00		750.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
5	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/6/2012	9562 - 9810		6,820.00	7,679.00	5 Min: 4900
					10 Min: 4680
					15 Min: 4542
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
100.80	8,975.00	5,568.00	1.22		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
398,808.00	9,064.00		750.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
6	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/7/2012	9268 - 9510		6,430.00	7,699.00	5 Min: 5273
					10 Min: 5072
					15 Min: 4917
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
97.40	8,228.00	5,777.00	1.25		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
399,553.00	8,988.00		750.00		

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<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
7	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/7/2012	8968 - 9210		7,015.00	7,745.00	5 Min: 4398
					10 Min: 4203
					15 Min: 4090
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
94.90	8,434.00	4,924.00	1.13		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
403,304.00	8,889.00		750.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
8	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/7/2012	8668 - 8910		7,167.00	7,699.00	5 Min: 5343
					10 Min: 5116
					15 Min: 4793
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
95.60	8,416.00	5,979.00	1.28		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
401,441.00	8,731.00		750.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
9	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/8/2012	8368 - 8610		6,684.00	7,608.00	5 Min: 5081
					10 Min: 4765
					15 Min: 4561
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
96.90	8,763.00	5,973.00	1.28		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
402,048.00	8,892.00		750.00		

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<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
10	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/8/2012	8068 - 8310		6,073.00	7,313.00	5 Min: 5054
					10 Min: 4775
					15 Min: 4592
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
96.30	7,781.00	5,694.00	1.25		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
406,055.00	9,237.00		750.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
11	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/8/2012	7768 - 8010		6,610.00	7,693.00	5 Min: 4863
					10 Min: 4607
					15 Min: 4404
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
99.80	8,390.00	5,364.00	1.19		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
382,928.00	9,172.00		750.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
12	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
5/8/2012	7603 - 7725		6,080.00		5 Min: 4360
					10 Min: 4105
					15 Min: 3968
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
200,617.00	5,144.00		750.00		

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