

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

DATE: 8/5/2013
API #: 47-103-02702

Farm name: John W. & Florence E. Kilcoyne Operator Well No.: 513825

LOCATION: Elevation: 860' Quadrangle: Big Run

District: Grant County: Wetzel, WV
Latitude: 8.330 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 5.250 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	20	42	42	113
Agent: Cecil Ray	16	300	300	420
Inspector: David Scranage	13 3/8	852	852	336
Date Permit Issued: 9/28/2011	9 5/8	3,100	3,100	1,427
Date Well Work Commenced: 10/6/2011	5 1/2	10,680	10,680	1,389
Date Well Work Completed: 4/26/2012				
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): 7,055'				
Total Measured Depth (ft): 10,710'				
Fresh Water Depth (ft.): 155', 220'				
Salt Water Depth (ft.): No visible show.				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 413', 596', 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 10,272 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 2,160 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

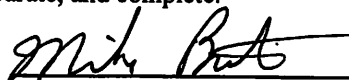
Time of open flow between initial and final tests _____ Hours

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

5/10/2013
Date

09/27/2013

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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 Yes, Gyro & MWD Gamma 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): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

Sand/Shale / 0 / 413 / 413 -- Coal / 413 / 419 / 6 -- Sand / Shale / 419 / 596 / 177 --

Pittsburgh Coal / 596 / 603 / 7 -- Sand / Shale / 603 / 614 / 11 --

Coal / 614 / 620 / 6 -- Sand / Shale / 620 / 3,309 / 2,689 --

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 / 6,542 / 1,216 -- Rhinestreet / 6,542 / 6,554 / 12 --

Sonyea / 6,554 / 6,724 / 170 -- Middlesex / 6,724 / 6,776 / 52 --

Genesee / 6,776 / 6,859 / 83 -- Geneseo / 6,859 / 6,893 / 34 --

Tully / 6,893 / 6,922 / 29 -- Hamilton / 6,922 / 7,012 / 90--

Marcellus / 7,012 / 7,055 / 43

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EQT WR-35 Completion Attachment Well 513825 Treatment Summary

Stage 5	Formation MARCELLUS	Frac Type Slickwater			
Date 4/23/2012	From / To 9219 - 9461	# of perfs	BD Press 7,716.00	ATP Psi 8,109.00	SIP Detail 5 Min: 4801 10 Min: 4596 15 Min: 4444
Avg Rate 98.80	Max Press PSI 8,703.00	ISIP 5,925.00	Frac Gradient 1.27		
Sand Proppant 404,595.00	Water-bbl 9,063.00	SCF N2	Acid-Gal 750.00		

Stage 1	Formation MARCELLUS	Frac Type Slickwater			
Date 4/23/2012	From / To 10419 - 10661	# of perfs	BD Press 6,840.00	ATP Psi 8,178.00	SIP Detail 5 Min: 4210 10 Min: 4021 15 Min: 3910
Avg Rate 96.00	Max Press PSI 8,754.00	ISIP 4,808.00	Frac Gradient 1.11		
Sand 402,478.00	Water-bbl 9,379.00	SCF N2	Acid-Gal 2,000.00		

Stage 2	Formation MARCELLUS	Frac Type Slickwater			
Date 4/24/2012	From / To 10119 - 10361	# of perfs	BD Press 8,008.00	ATP Psi 8,255.00	SIP Detail 5 Min: 4684 10 Min: 4340 15 Min: 4198
Avg Rate 93.10	Max Press PSI 8,753.00	ISIP 5,325.00	Frac Gradient 1.19		
Sand 404,685.00	Water-bbl 9,398.00	SCF N2	Acid-Gal 750.00		

Stage 3	Formation MARCELLUS	Frac Type Slickwater			
Date 4/24/2012	From / To 9819 - 10061	# of perfs	BD Press 7,542.00	ATP Psi 8,225.00	SIP Detail 5 Min: 4774 10 Min: 4478 15 Min: 4318
Avg Rate 95.70	Max Press PSI 8,835.00	ISIP 5,201.00	Frac Gradient 1.17		
Sand 397,123.00	Water-bbl 9,204.00	SCF N2	Acid-Gal 750.00		

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Stage 4	Formation MARCELLUS	Frac Type Slickwater			
Date 4/24/2012	From / To 9519 - 9761	# of perfs	BD Press 7,872.00	ATP Psi 8,109.00	SIP Detail 5 Min: 4996 10 Min: 4694 15 Min: 4501
Avg Rate 98.80	Max Press PSI 8,703.00	ISIP 5,925.00	Frac Gradient 1.27		
Sand 406,459.00	Water-bbl 9,112.00	SCF N2	Acid-Gal 750.00		

Stage 6	Formation MARCELLUS	Frac Type Slickwater			
Date 4/25/2012	From / To 8919 - 9161	# of perfs	BD Press 7,705.00	ATP Psi 8,146.00	SIP Detail 5 Min: 4465 10 Min: 4238 15 Min: 4140
Avg Rate 98.30	Max Press PSI 8,728.00	ISIP 4,970.00	Frac Gradient 1.14		
Sand 402,138.00	Water-bbl 9,202.00	SCF N2	Acid-Gal 750.00		

Stage 7	Formation MARCELLUS	Frac Type Slickwater			
Date 4/25/2012	From / To 8619 - 8861	# of perfs	BD Press 7,479.00	ATP Psi 8,194.00	SIP Detail 5 Min: 4688 10 Min: 4537 15 Min: 4408
Avg Rate 93.20	Max Press PSI 9,456.00	ISIP 5,083.00	Frac Gradient 1.15		
Sand 401,573.00	Water-bbl 9,474.00	SCF N2	Acid-Gal 750.00		

Stage 8	Formation MARCELLUS	Frac Type Slickwater			
Date 4/25/2012	From / To 8319 - 8561	# of perfs	BD Press 6,799.00	ATP Psi 7,775.00	SIP Detail 5 Min: 5030 10 Min: 4809 15 Min: 4645
Avg Rate 95.90	Max Press PSI 8,388.00	ISIP 5,288.00	Frac Gradient 1.18		
Sand 400,487.00	Water-bbl 9,370.00	SCF N2	Acid-Gal 750.00		

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Stage 9	Formation MARCELLUS	Frac Type Slickwater				
Date 4/25/2012	From / To 8019 - 8261	# of perfs	BD Press 7,281.00	ATP Psi 7,957.00	SIP Detail 5 Min: 4954 10 Min: 4704 15 Min: 4518	
Avg Rate 99.80	Max Press PSI 8,437.00	ISIP 5,543.00	Frac Gradient 1.22			
Sand 401,696.00	Water-bbl 8,992.00	SCF N2	Acid-Gal 750.00			
Stage 10	Formation MARCELLUS	Frac Type Slickwater				
Date 4/26/2012	From / To 7619 - 7990	# of perfs	BD Press 7,405.00	ATP Psi 8,170.00	SIP Detail 5 Min: 6556 10 Min: 15 Min:	
Avg Rate 87.50	Max Press PSI 9,466.00	ISIP 8,210.00	Frac Gradient 1.6			
Sand 387,837.00	Water-bbl 12,514.00	SCF N2	Acid-Gal 2,250.00			
Stage 11	Formation MARCELLUS	Frac Type Slickwater				
Date 4/26/2012	From / To 7399 - 7561	# of perfs	BD Press 6,597.00	ATP Psi 8,083.00	SIP Detail 5 Min: 4125 10 Min: 3890 15 Min: 3837	
Avg Rate 97.50	Max Press PSI 8,518.00	ISIP 4,926.00	Frac Gradient 1.13			
Sand 267,996.00	Water-bbl 5,863.00	SCF N2	Acid-Gal 750.00			

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