

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

DATE: 6/20/2012
API #: 47-049-02168

Farm name: Shirley J. Neeley, et al Operator Well No.: 511430

LOCATION: Elevation: 1,137 Quadrangle: Grant Town

District: Paw Paw County: Marion, WV
Latitude: 9,650 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 6,950 Feet West of 80 Deg. 12 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	40	40	13
Agent: Cecil Ray	13 3/8	851	851	863
Inspector: Sam Ward	9 5/8	3,059	3,059	1,226
Date Permit Issued: 6/24/2011	5 1/2	11,103	11,103	1,124
Date Well Work Commenced: 8/2/2011				
Date Well Work Completed: 3/22/2012				
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): 7,664'				
Total Measured Depth (ft): 11,140'				
Fresh Water Depth (ft.): 430'				
Salt Water Depth (ft.): 2,745'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 175', 200', 476'				
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) 7,607
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 9,120 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 92 Hours
Static rock Pressure 1,912 psig (surface pressure) after 92 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.

Michelle Bost
Signature

1/16/2013
Date

05/17/2013

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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 Yes, Gyro and 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

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

Sand/Shale / 0 / 175 / 175 -- Coal / 175 / 176 / 1 -- Sand/Shale / 176 / 200 / 24

Coal / 200 / 205 / 5 -- Sand/Shale / 205 / 476 / 271 -- -- Coal / 476 / 481 / 5

Sand/Shale / 481 / 3,255 / 2,774 -- Warren / 3,255 / 4,861 / 1,606 -- Benson / 4,861 / 5,139 / 278

Alexander / 5,139 / 6,971 / 1,832 -- Sonyea / 6,971 / 7,158 / 187 -- Middlesex / 7,158 / 7,247 / 88

Genesee / 7,247 / 7,368 / 120 -- Geneseo / 7,368 / 7,405 / 37 -- Tully / 7,405 / 7,462 / 57

Hamilton / 7,462 / 7,607 / 144 -- Marcellus / 7,607 / 7,664 / 57

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage 1	Formation MARCELLUS	Frac Type Slickwater			
Date 3/17/2012	From / To 10 - 10534	# of perfs	BD Press 6,742.00	ATP Psi 8,156.00	SIP Detail 5 Min: 4347 10 Min: 4187 15 Min: 4104
Avg Rate 85.10	Max Press PSI 8,910.00	ISIP 5,180.00	Frac Gradient 1.12		
Sand Proppant 360,556.00	Water-bbl 11,447.00	SCF N2	Acid-Gal 2,000.00		
Stage 2	Formation MARCELLUS	Frac Type Slickwater			
Date 3/17/2012	From / To 10534 - 10776	# of perfs	BD Press 8,670.00	ATP Psi 8,139.00	SIP Detail 5 Min: 4438 10 Min: 4202 15 Min: 4071
Avg Rate 88.70	Max Press PSI 8,878.00	ISIP 5,383.00	Frac Gradient 1.14		
Sand Proppant 505,392.00	Water-bbl 12,430.00	SCF N2	Acid-Gal 1,000.00		
Stage 3	Formation MARCELLUS	Frac Type Slickwater			
Date 3/18/2012	From / To 10234 - 10476	# of perfs	BD Press 7,982.00	ATP Psi 8,123.00	SIP Detail 5 Min: 4494 10 Min: 4355 15 Min: 4275
Avg Rate 97.60	Max Press PSI 8,965.00	ISIP 5,017.00	Frac Gradient 1.09		
Sand Proppant 483,829.00	Water-bbl 12,166.00	SCF N2	Acid-Gal 1,000.00		

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Stage 4	Formation MARCELLUS	Frac Type Slickwater			
Date 3/18/2012	From / To 9934 - 10176	# of perfs	BD Press 8,181.00	ATP Psi 7,976.00	SIP Detail 5 Min: 4720 10 Min: 4472 15 Min: 4310
Avg Rate 99.80	Max Press PSI 8,350.00	ISIP 5,249.00	Frac Gradient 1.12		
Sand Proppant 511,021.00	Water-bbl 12,011.00	SCF N2	Acid-Gal 1,000.00		
Stage 5	Formation MARCELLUS	Frac Type Slickwater			
Date 3/19/2012	From / To 9634 - 9876	# of perfs	BD Press 6,242.00	ATP Psi 7,812.00	SIP Detail 5 Min: 4685 10 Min: 4471 15 Min: 4344
Avg Rate 98.40	Max Press PSI 8,614.00	ISIP 5,376.00	Frac Gradient 1.14		
Sand Proppant 438,037.00	Water-bbl 12,002.00	SCF N2	Acid-Gal 1,000.00		
Stage 6	Formation MARCELLUS	Frac Type Slickwater			
Date 3/20/2012	From / To 9034 - 9274	# of perfs	BD Press 7,759.00	ATP Psi 7,819.00	SIP Detail 5 Min: 4597 10 Min: 4405 15 Min: 4297
Avg Rate 99.70	Max Press PSI 8,569.00	ISIP 5,242.00	Frac Gradient 1.12		
Sand Proppant 495,674.00	Water-bbl 11,948.00	SCF N2	Acid-Gal 1,000.00		

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Stage 7	Formation MARCELLUS	Frac Type Slickwater			
Date 3/21/2012	From / To 9034 - 9276	# of perfs	BD Press 7,340.00	ATP Psi 7,652.00	SIP Detail 5 Min: 5084 10 Min: 4757 15 Min: 4548
Avg Rate 101.00	Max Press PSI 8,289.00	ISIP 5,633.00	Frac Gradient 1.04		
Sand Proppant 509,423.00	Water-bbl 11,816.00	SCF N2	Acid-Gal 1,000.00		

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Stage 8	Formation MARCELLUS	Frac Type Slickwater			
Date 3/21/2012	From / To 8734 - 8974	# of perfs	BD Press 7,183.00	ATP Psi 7,731.00	SIP Detail 5 Min: 4831 10 Min: 4561 15 Min: 4710
Avg Rate 97.10	Max Press PSI 9,084.00	ISIP 5,557.00	Frac Gradient 1.16		
Sand Proppant 498,180.00	Water-bbl 14,221.00	SCF N2	Acid-Gal 750.00		
Stage 9	Formation MARCELLUS	Frac Type Slickwater			
Date 3/22/2012	From / To 8434 - 8674	# of perfs	BD Press 7,231.00	ATP Psi 7,449.00	SIP Detail 5 Min: 4754 10 Min: 4446 15 Min: 4275
Avg Rate 97.00	Max Press PSI 8,525.00	ISIP 5,570.00	Frac Gradient 1.16		
Sand Proppant 472,730.00	Water-bbl 11,703.00	SCF N2	Acid-Gal 750.00		
Stage 10	Formation MARCELLUS	Frac Type Slickwater			
Date 3/22/2012	From / To 8134 - 8376	# of perfs	BD Press 7,162.00	ATP Psi 7,334.00	SIP Detail 5 Min: 5142 10 Min: 4836 15 Min: 4613
Avg Rate 99.10	Max Press PSI 7,740.00	ISIP 5,839.00	Frac Gradient 1.2		
Sand Proppant 504,184.00	Water-bbl 11,845.00	SCF N2	Acid-Gal 750.00		

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Stage 11	Formation MARCELLUS	Frac Type Slickwater			
Date 3/22/2012	From / To 7834 - 8076	# of perfs	BD Press 7,842.00	ATP Psi 7,605.00	SIP Detail 5 Min: 4477 10 Min: 4260 15 Min: 4129
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.60	8,220.00	5,290.00	1.13		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
456,630.00	11,301.00		750.00		

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