

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

DATE: 5/10/2013
API #: 47-091-01186

AMENDED ✓

Farm name: James Taylor, et al Operator Well No.: 511508

LOCATION: Elevation: 1,470' Quadrangle: Rosemont

District: Flemington County: Taylor
Latitude: 14.180 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7.330 Feet West of 80 Deg. 10 Min. 00 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	100
Agent: Cecil Ray	13 3/8	886	886	1,077
Inspector: Bryan Harris	9 5/8	2,696	2,696	395
Date Permit Issued: 4/15/2010	5 1/2	11,736	11,736	1,275
Date Well Work Commenced: 7/19/2010				
Date Well Work Completed: 9/7/2011				
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): 7,833'				
Total Measured Depth (ft): 11,745'				
Fresh Water Depth (ft.): 598', 829'				
Salt Water Depth (ft.): No visible show.				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 630', 885'				
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) 7,632'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 6,207 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 1,104 psig (surface pressure) after 84 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.

Mike Burt
Signature

5/10/2013
Date

09/13/2013

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, 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): Pumped solid cement plug from 7,833' to 7,007'.

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface:

Clay / 0 / 40 / 40 -- Sandstone / 40 / 315 / 275 -- Red Rock / 315 / 320 / 5 -- Siltstone / 320 / 575 / 255

Red Rock / 575 / 630 / 55 -- Coal / 630 / 640 / 10 -- Siltstone / 640 / 885 / 245 --

Coal / 885 / 890 / 5 -- Siltstone / 895 / 910 / 15 -- Sand/Shale / 910 / 915 / 5 --

Siltstone / 915 / 983 / 68 -- Sand/Shale / 983 / 1,090 / 107 -- Big Lime / 1,090 / 1,290 / 200

Big Injun / 1,290 / 1,340 / 50 -- Weir Sand / 1,340 / 1,630 / 290 -- Gantz / 1,630 / 1,990 / 360 --

Fifty Foot / 1,990 / 2,110 / 120 -- Fourth Sand / 2,110 / 2,340 / 230 -- Fifth Sand / 2,340 / 2,726 / 386 --

Speechley / 3,149 / 3,431 / 282 -- Bradford / 3,431 / 3,600 / 168 -

Balltown B / 3,600 / 3,847 / 247 -- -Riley / 3,847 / 4,459 / 611 --

Benson / 4,459 / 6,814 / 2,355 -- Sonyea / 6,814 / 7,175 / 360 -- Middlesex / 7,175 / 7,291 / 116

Genesee / 7,291 / 7,400 / 108 -- Geneseo / 7,400 / 7,450 / 50 -- Tully / 7,450 / 7,504 / 54

Hamilton / 7,504 / 7,632 / 128 -- Marcellus / 7,632 / 7,763 / 131-- Onondaga / 7,763 / 7,781 / 70 --

Huntersville / 7,781 / 7,833 / (52)

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EQT WR-35		Completion	Attachment	Well 511508	Treatment	Summary
Stage	Formation	Frac Type				
1	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/2/2011	11585 - 11707		7,058.00	8,163.00	5 Min: 4658	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4410	
85.60	8,654.00	6,235.00	1.23		15 Min: 4272	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
201,330.00	5,159.00		2,000.00			
Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/2/2011	11435 - 11555		6,581.00	8,245.00	5 Min: 5042	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4617	
86.10	8,985.00	5,794.00	1.17		15 Min: 4409	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
201,388.00	5,484.00		2,000.00			
Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/2/2011	11285 - 11407		7,891.00	8,364.00	5 Min: 5406	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5178	
92.74	8,576.00	5,854.00	1.2		15 Min: 5009	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
198,519.00	5,377.00		2,000.00			
Stage	Formation	Frac Type				
4	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/3/2011	11135 - 11257		6,854.00	8,404.00	5 Min: 5417	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5237	
93.50	8,949.00	5,728.00	1.18		15 Min: 5100	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
132,615.00	4,725.00		2,000.00			

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Stage 5	Formation MARCELLUS	Frac Type Slickwater				
Date 9/3/2011	From / To 10985 - 11107	# of perfs	BD Press 6,808.00	ATP Psi 8,231.00	SIP Detail 5 Min: 5422 10 Min: 5149 15 Min: 4947	
Avg Rate 89.20	Max Press PSI 9,034.00	ISIP 5,978.00	Frac Gradient 1.22			
Sand Proppant 196,683.00	Water-bbl 5,355.00	SCF N2	Acid-Gal 2,000.00			

Stage 6	Formation MARCELLUS	Frac Type Slickwater				
Date 9/3/2011	From / To 10835 - 10957	# of perfs	BD Press 6,348.00	ATP Psi 7,871.00	SIP Detail 5 Min: 5528 10 Min: 5363 15 Min: 5230	
Avg Rate 89.90	Max Press PSI 8,877.00	ISIP 5,823.00	Frac Gradient 1.2			
Sand Proppant 184,898.00	Water-bbl 5,550.00	SCF N2	Acid-Gal 2,000.00			

Stage 7	Formation MARCELLUS	Frac Type Slickwater				
Date 9/3/2011	From / To 10685 - 10807	# of perfs	BD Press 7,136.00	ATP Psi 8,130.00	SIP Detail 5 Min: 5505 10 Min: 5329 15 Min: 5190	
Avg Rate 93.20	Max Press PSI 8,796.00	ISIP 5,833.00	Frac Gradient 1.2			
Sand Proppant 199,178.00	Water-bbl 5,341.00	SCF N2	Acid-Gal 2,000.00			

Stage 8	Formation MARCELLUS	Frac Type Slickwater				
Date 9/3/2011	From / To 10535 - 10657	# of perfs	BD Press 5,919.00	ATP Psi 7,826.00	SIP Detail 5 Min: 5625 10 Min: 5327 15 Min: 5138	
Avg Rate 96.04	Max Press PSI 8,773.00	ISIP 6,008.00	Frac Gradient 1.22			
Sand Proppant 198,805.00	Water-bbl 5,363.00	SCF N2	Acid-Gal 2,000.00			

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Stage 9	Formation MARCELLUS	Frac Type Slickwater			
Date 9/3/2011	From / To 10385 - 10507	# of perfs	BD Press 7,608.00	ATP Psi 7,732.00	SIP Detail 5 Min: 5220 10 Min: 4930 15 Min: 4755
Avg Rate 87.04	Max Press PSI 8,479.00	ISIP 5,854.00	Frac Gradient 1.2		
Sand Proppant 195,948.00	Water-bbl 5,223.00	SCF N2	Acid-Gal 2,000.00		

Stage 10	Formation MARCELLUS	Frac Type Slickwater			
Date 9/4/2011	From / To 10235 - 10357	# of perfs	BD Press 7,424.00	ATP Psi 8,090.00	SIP Detail 5 Min: 5667 10 Min: 5398 15 Min: 5226
Avg Rate 89.73	Max Press PSI 8,390.00	ISIP 6,134.00	Frac Gradient 1.24		
Sand Proppant 197,952.00	Water-bbl 5,215.00	SCF N2	Acid-Gal 2,000.00		

Stage 11	Formation MARCELLUS	Frac Type Slickwater			
Date 9/4/2011	From / To 10085 - 10207	# of perfs	BD Press 6,825.00	ATP Psi 8,096.00	SIP Detail 5 Min: 5843 10 Min: 5699 15 Min: 5608
Avg Rate 90.30	Max Press PSI 8,713.00	ISIP 6,000.00	Frac Gradient 1.22		
Sand Proppant 200,376.00	Water-bbl 5,290.00	SCF N2	Acid-Gal 2,000.00		

Stage 12	Formation MARCELLUS	Frac Type Slickwater			
Date 9/4/2011	From / To 9935 - 10057	# of perfs	BD Press 6,548.00	ATP Psi 7,801.00	SIP Detail 5 Min: 5833 10 Min: 5727 15 Min: 5651
Avg Rate 86.50	Max Press PSI 8,792.00	ISIP 5,982.00	Frac Gradient 1.22		
Sand Proppant 199,100.00	Water-bbl 5,925.00	SCF N2	Acid-Gal 2,000.00		

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Stage 13	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 9785 - 9907	# of perfs	BD Press 7,158.00	ATP Psi 8,388.00	SIP Detail 5 Min: 5287 10 Min: 5004 15 Min: 4821
Avg Rate 93.30	Max Press PSI 8,953.00	ISIP 5,847.00	Frac Gradient 1.2		
Sand Proppant 196,201.00	Water-bbl 5,204.00	SCF N2	Acid-Gal 2,000.00		
Stage 14	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 9635 - 9757	# of perfs	BD Press 7,783.00	ATP Psi 8,310.00	SIP Detail 5 Min: 5309 10 Min: 5064 15 Min: 4890
Avg Rate 93.90	Max Press PSI 8,669.00	ISIP 5,768.00	Frac Gradient 1.19		
Sand Proppant 187,501.00	Water-bbl 5,306.00	SCF N2	Acid-Gal 2,000.00		
Stage 15	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 9485 - 9605	# of perfs	BD Press 6,512.00	ATP Psi 8,230.00	SIP Detail 5 Min: 5365 10 Min: 5087 15 Min: 4903
Avg Rate 93.20	Max Press PSI 8,577.00	ISIP 5,564.00	Frac Gradient 1.17		
Sand Proppant 201,510.00	Water-bbl 5,198.00	SCF N2	Acid-Gal 2,000.00		
Stage 16	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 9335 - 9455	# of perfs	BD Press 7,706.00	ATP Psi 8,133.00	SIP Detail 5 Min: 5636 10 Min: 5413 15 Min: 5250
Avg Rate 93.10	Max Press PSI 8,711.00	ISIP 6,103.00	Frac Gradient 1.24		
Sand Proppant 200,113.00	Water-bbl 5,201.00	SCF N2	Acid-Gal 2,000.00		

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Stage 17	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 9185 - 9307	# of perfs	BD Press 7,064.00	ATP Psi 7,725.00	SIP Detail 5 Min: 5597 10 Min: 5373 15 Min: 5205
Avg Rate 99.80	Max Press PSI 8,662.00	ISIP 5,707.00	Frac Gradient 1.19		
Sand Proppant 198,727.00	Water-bbl 5,152.00	SCF N2	Acid-Gal 2,000.00		

Stage 18	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 9035 - 9157	# of perfs	BD Press 6,649.00	ATP Psi 7,800.00	SIP Detail 5 Min: 5725 10 Min: 5584 15 Min: 5480
Avg Rate 100.40	Max Press PSI 8,688.00	ISIP 5,910.00	Frac Gradient 1.21		
Sand Proppant 201,217.00	Water-bbl 5,183.00	SCF N2	Acid-Gal 2,000.00		

Stage 19	Formation MARCELLUS	Frac Type Slickwater			
Date 9/5/2011	From / To 8885 - 9007	# of perfs	BD Press 7,254.00	ATP Psi 8,315.00	SIP Detail 5 Min: 5640 10 Min: 5405 15 Min: 5232
Avg Rate 85.50	Max Press PSI 8,904.00	ISIP 5,990.00	Frac Gradient 1.23		
Sand Proppant 199,093.00	Water-bbl 6,746.00	SCF N2	Acid-Gal 2,000.00		

Stage 20	Formation MARCELLUS	Frac Type Slickwater			
Date 9/6/2011	From / To 8735 - 8857	# of perfs	BD Press 7,099.00	ATP Psi 8,483.00	SIP Detail 5 Min: 5749 10 Min: 5553 15 Min: 5413
Avg Rate 90.20	Max Press PSI 8,941.00	ISIP 5,954.00	Frac Gradient 1.22		
Sand Proppant 199,369.00	Water-bbl 5,256.00	SCF N2	Acid-Gal 2,000.00		

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Stage 21	Formation MARCELLUS	Frac Type Slickwater			
Date 9/6/2011	From / To 8585 - 8707	# of perfs	BD Press 8,486.00	ATP Psi 7,843.00	SIP Detail 5 Min: 5674 10 Min: 5469 15 Min: 5331
Avg Rate 94.80	Max Press PSI 8,797.00	ISIP 6,128.00	Frac Gradient 1.24		
Sand Proppant 201,162.00	Water-bbl 5,177.00	SCF N2	Acid-Gal 2,000.00		

Stage 22	Formation MARCELLUS	Frac Type Slickwater			
Date 9/6/2011	From / To 8435 - 8557	# of perfs	BD Press 7,593.00	ATP Psi 7,635.00	SIP Detail 5 Min: 5385 10 Min: 5159 15 Min: 5024
Avg Rate 99.40	Max Press PSI 8,337.00	ISIP 5,960.00	Frac Gradient 1.22		
Sand Proppant 200,059.00	Water-bbl 5,120.00	SCF N2	Acid-Gal 2,000.00		

Stage 23	Formation MARCELLUS	Frac Type Slickwater			
Date 9/6/2011	From / To 8285 - 8407	# of perfs	BD Press 7,426.00	ATP Psi 8,034.00	SIP Detail 5 Min: 5366 10 Min: 5191 15 Min: 5077
Avg Rate 97.70	Max Press PSI 8,978.00	ISIP 6,553.00	Frac Gradient 1.3		
Sand Proppant 204,742.00	Water-bbl 5,205.00	SCF N2	Acid-Gal 2,000.00		

Stage 24	Formation MARCELLUS	Frac Type Slickwater			
Date 9/6/2011	From / To 8135 - 8257	# of perfs	BD Press 6,087.00	ATP Psi 8,287.00	SIP Detail 5 Min: 5340 10 Min: 5189 15 Min: 5081
Avg Rate 94.20	Max Press PSI 8,918.00	ISIP 5,735.00	Frac Gradient 1.19		
Sand Proppant 193,768.00	Water-bbl 5,526.00	SCF N2	Acid-Gal 2,000.00		

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Stage	Formation	Frac Type			
25	MARCELLUS	Slickwater			
Date 9/7/2011	From / To 7985 - 8107	# of perfs	BD Press 6,474.00	ATP Psi 8,275.00	SIP Detail 5 Min: 4679 10 Min: 4533 15 Min: 4460
Avg Rate 94.40	Max Press PSI 8,797.00	ISIP 5,254.00	Frac Gradient 1.13		
Sand Proppant 200,709.00	Water-bbl 5,053.00	SCF N2	Acid-Gal 2,000.00		
Stage	Formation	Frac Type			
26	MARCELLUS	Slickwater			
Date 9/7/2011	From / To 7835 - 7957	# of perfs	BD Press 7,610.00	ATP Psi 8,446.00	SIP Detail 5 Min: 4698 10 Min: 4545 15 Min: 4441
Avg Rate 78.90	Max Press PSI 9,118.00	ISIP 5,357.00	Frac Gradient 1.15		
Sand Proppant 199,117.00	Water-bbl 7,079.00	SCF N2	Acid-Gal 2,000.00		

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