

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: 1/28/2013 ✓
API #: 47-08509932

Farm name: Dewayne Britton, et ux Operator Well No.: 513039

LOCATION: Elevation: 1,116 Quadrangle: Pennsboro

District: Clay County: Ritchie, WV
Latitude: 10.790' Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 9.940 Feet West of 80 Deg. 55 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	45
Agent: Cecil Ray	13 3/8	1,103	1,103	944
Inspector: David Cowan	9 5/8	5,331	5,331	2,190
Date Permit Issued: 11/21/2012	5 1/2	11,950	11,950	1,623
Date Well Work Commenced: 12/29/2011				
Date Well Work Completed: 8/9/2012				
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): 6,430 (plug back to 5,386')				
Total Measured Depth (ft): 11,955				
Fresh Water Depth (ft.): 68, 125, 230, 363, 609, 787				
Salt Water Depth (ft.): No show observed.				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 273', 560', 749'				
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) 6,374

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

Final open flow 10,880 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 89 Hours

Static rock Pressure 2,370 psig (surface pressure) after 89 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.

Mich. Bates
Signature

1/28/2013
Date

05/31/2013

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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 Gammay Ray and CBL

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): Solid cement plug (6,430 to 5,386)

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
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Sand & Shale / 0 / 273 / 273 -- Coal / 273 / 281 / 8

Sand & Shale / 281 / 560 / 279 -- Coal / 560 / 566 / 6 -- Sand & Shale / 566 / 749 / 183 --

Coal / 749 / 753 / 4 -- Sand & Shale / 753 / 1,749 / 996--

Maxton / 1,749 / 1,968 / 219 -- Big Lime / 1,968 / 2,037 / 69 -- Keener / 2,037 / 2,080 / 43 --

Big Injun / 2,080 / 2,376 / 296 -- Weir / 2,376 / 2,581 / 205 -- Gantz / 2,581 / 2,720 / 139 --

Fifty foot / 2,720 / 2,802 / 82 -- Thirty foot / 2,802 / 2,845 / 43 -- Gordon / 2,845 / 2,927 / 82 --

Forth Sand / 2,927 / 3,072 / 145 -- Fifth Sand / 3,072 / 3,115 / 43 -- Bayard / 3,115 / 3,465 / 350 --

Warren / 3,465 / 3,546 / 81 -- Speechley / 3,546 / 3,930 / 384 -- Balltown A / 3,930 / 4,196 / 266 --

Balltown B / 4,196 / 4,340 / 144 -- Bradford / 4,340 / 4,581 / 241 -- Riley / 4,581 / 4,949 / 368 --

Java / 4,949 / 5,015 / 66 -- Benson / 5,015 / 5,212 / 197 -- Alexander / 5,212 / 5,260 / 48 --

Angola / 5,260 / 6,106 / 846 -- Sonyea / 6,106 / 6,220 / 114 -- Middlesex / 6,220 / 6,260 / 40 --

Genesee / 6,260 / 6,325 / 65 -- Geneseo / 6,325 / 6,355 / 30 -- Tully / 6,355 / 6,368 / 13 --

Hamilton / 6,368 / 6,374 / 6 -- Marcellus / 6,374 / 6,420 / 46 -- Onondaga 6,420 / 6,430 / 10

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
1	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/20/2012	11751 - 11873		6,531.00	7,886.00	5 Min: 2421
					10 Min: 2177
					15 Min: 2052
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
87.90	8,666.00	4,551.00	1.14		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
188,581.00	5,007.00		750.00		
Stage	Formation	Frac Type			
2	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/21/2012	11602 - 11723		5,464.00	7,471.00	5 Min: 3225
					10 Min: 2706
					15 Min: 2467
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
92.00	8,194.00	5,277.00	1.26		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
197,118.00	5,074.00		750.00		
Stage	Formation	Frac Type			
3	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/21/2012	11451 - 11573		5,581.00	7,403.00	5 Min: 2979
					10 Min: 2515
					15 Min: 2333
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.00	7,763.00	4,699.00	1.17		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,249.00	5,357.00		750.00		

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Stage	Formation	Frac Type				
4	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
7/21/2012	11301 - 11437		6,095.00	7,433.00	5 Min: 2881	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2507	
97.20	8,122.00	4,398.00	1.12		15 Min: 2343	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
204,404.00	5,252.00		750.00			
Stage	Formation	Frac Type				
5	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
7/21/2012	11151 - 11273		5,518.00	7,451.00	5 Min: 3036	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:	
96.80	9,715.00	9,158.00	1.86		15 Min:	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
202,752.00	5,012.00		750.00			
Stage	Formation	Frac Type				
6	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
7/22/2012	11001 - 11123		5,462.00	7,160.00	5 Min: 2433	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2287	
97.90	7,495.00	3,264.00	0.94		15 Min: 2211	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
196,897.00	5,085.00		750.00			

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Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/22/2012	10851 - 10973		5,902.00	7,218.00	5 Min: 3149
					10 Min: 2614
					15 Min: 2442
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
95.80	8,120.00	4,693.00	1.17		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,390.00	5,185.00		750.00		
Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/22/2012	10701 - 10823		6,127.00	7,084.00	5 Min: 3138
					10 Min: 2759
					15 Min: 2560
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
89.90	8,360.00	4,175.00	1.09		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
182,772.00	6,024.00		750.00		
Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/23/2012	10551 - 10673		5,776.00	7,340.00	5 Min: 2742
					10 Min: 2461
					15 Min: 2325
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
91.40	9,310.00	3,842.00	1.03		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,003.00	6,580.00		2,250.00		

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Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/23/2012	10401 - 10521		6,079.00	7,272.00	5 Min: 2523
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2353
97.90	7,902.00	3,728.00	1.02		15 Min: 2255
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
197,884.00	5,113.00		750.00		
Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/23/2012	10251 - 10373		5,169.00	7,639.00	5 Min: 2507
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2328
90.30	8,898.00	3,202.00	0.93		15 Min: 2228
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
197,158.00	5,863.00		750.00		
Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/23/2012	10101 - 10221		6,857.00	7,562.00	5 Min: 2825
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2516
88.00	9,121.00	6,553.00	1.46		15 Min: 2333
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
154,398.00	4,829.00		750.00		

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Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/23/2012	9951 - 10073		6,543.00	7,197.00	5 Min: 3361
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2940
91.70	9,042.00	4,889.00	1.2		15 Min: 2713
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
150,610.00	4,545.00		750.00		
Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/24/2012	9666 - 9908		7,314.00	7,371.00	5 Min: 2430
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2281
83.10	9,290.00	3,000.00	0.9		15 Min: 2191
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
809,024.00	10,050.00				
Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/28/2012	9306 - 9608		6,820.00	6,683.00	5 Min: 2613
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2349
93.30	9,191.00	3,474.00	0.98		15 Min: 2195
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
335,212.00	9,046.00		1,500.00		

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Stage	Formation	Frac Type			
16	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
7/31/2012	9066 - 9308		6,450.00	6,719.00	5 Min: 2661
					10 Min: 2503
					15 Min: 2407
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.80	7,023.00	3,120.00	0.092		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
320,324.00	8,720.00		1,000.00		
Stage	Formation	Frac Type			
17	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/6/2012	8901 - 9023		6,254.00	6,780.00	5 Min: 2619
					10 Min: 2408
					15 Min: 2308
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
97.23	7,182.00	3,903.00	1.04		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
204,021.00	5,060.00		750.00		
Stage	Formation	Frac Type			
18	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/6/2012	8751 - 8873		7,123.00	7,033.00	5 Min: 2724
					10 Min: 2465
					15 Min: 2347
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
97.36	8,585.00	3,934.00	1.05		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,836.00	5,010.00		750.00		
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Stage	Formation	Frac Type			
19	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/7/2012	8601 - 8723		6,831.00	6,866.00	5 Min: 2622
					10 Min: 2396
					15 Min: 2279
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.92	8,510.00	3,658.00	1		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,224.00	4,636.00		750.00		
Stage	Formation	Frac Type			
20	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/7/2012	8451 - 8571		5,688.00	6,634.00	5 Min: 3425
					10 Min: 2931
					15 Min: 2691
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.30	7,826.00	4,923.00	1.2		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
198,766.00	5,094.00		750.00		
Stage	Formation	Frac Type			
21	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/7/2012	8301 - 8423		5,336.00	6,636.00	5 Min: 3339
					10 Min: 2888
					15 Min: 2649
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.10	7,424.00	4,915.00	1.2		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
198,153.00	4,971.00		750.00		

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Stage	Formation	Frac Type			
22	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/7/2012	8151 - 8273		5,853.00	6,356.00	5 Min: 3593
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3205
91.90	7,633.00	5,066.00	1.22		15 Min: 2851
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,484.00	4,971.00		750.00		
Stage	Formation	Frac Type			
23	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/7/2012	8001 - 8123		5,266.00	6,522.00	5 Min: 3170
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2732
100.70	7,253.00	4,451.00	1.13		15 Min: 2505
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
202,336.00	5,093.00		750.00		
Stage	Formation	Frac Type			
24	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/8/2012	7851 - 7973		6,056.00	7,650.00	5 Min:
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:
54.06	9,059.00				15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
1,411.00	2,786.00		750.00		

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Stage	Formation	Frac Type			
25	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/8/2012	7627 - 7749		5,761.00	5,520.00	5 Min:
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:
15.00	9,438.00				15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
512.00	2,393.00		750.00		
Stage	Formation	Frac Type			
26	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/9/2012	7477 - 7599		5,651.00	6,726.00	5 Min: 2813
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2546
99.50	7,460.00	3,916.00	1.05		15 Min: 2421
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
203,672.00	5,162.00		750.00		
Stage	Formation	Frac Type			
27	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/9/2012	7327 - 7449		5,903.00	6,633.00	5 Min: 2739
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2534
100.10	7,048.00	3,633.00	1		15 Min: 2434
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
194,334.00	5,061.00		750.00		

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Stage	Formation	Frac Type			
28	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/9/2012	7177 - 7299		5,708.00	6,567.00	5 Min: 2748
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2535
100.00	7,324.00	3,966.00	1.05		15 Min: 2424
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,237.00	4,993.00		750.00		
Stage	Formation	Frac Type			
29	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/9/2012	7027 - 7149		5,893.00	6,754.00	5 Min: 2740
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2548
100.20	7,395.00	3,492.00	0.98		15 Min: 2445
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
197,115.00	5,025.00		750.00		
Stage	Formation	Frac Type			
30	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/9/2012	6877 - 6999		5,361.00	8,509.00	5 Min:
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:
70.10	8,980.00				15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
3,200.00	2,205.00		750.00		

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
24.1	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/8/2012	7777 - 7987		5,631.00	7,018.00	5 Min: 2852
					10 Min: 2572
					15 Min: 2436
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.80	7,957.00	4,175.00	1.09		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,711.00	5,201.00		1,000.00		
Stage	Formation	Frac Type			
25.1	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/9/2012	#Error		5,050.00	7,310.00	5 Min: 3379
					10 Min: 3149
					15 Min: 2892
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
96.70	8,070.00	4,031.00	1.06		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,789.00	5,242.00		1,000.00		
Stage	Formation	Frac Type			
30.1	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/10/2012	6801 - 6999		5,825.00	6,807.00	5 Min: 2464
					10 Min: 2353
					15 Min: 2282
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.60	7,832.00	5,230.00	1.25		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,858.00	5,230.00		1,000.00		

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