

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

APR 19 2013

Farm name: Dewayne Britton, et ux Operator Well No.: 513036

LOCATION: Elevation: 1,116 Quadrangle: Pennsboro

District: Clay County: Ritchie, WV
Latitude: 10.810 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 9.900 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	35	35	40
Agent: Cecil Ray	13 3/8	1,058	1,058	920
Inspector: David Cowan	9 5/8	5,314	5,314	2,128
Date Permit Issued: 1/5/2012	5 1/2	12,994	12,994	2,300
Date Well Work Commenced: 1/7/2012				
Date Well Work Completed: 8/18/2012				
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): 6,870' (Plugged back to 5,575')				
Total Measured Depth (ft): 13,018				
Fresh Water Depth (ft.): 83', 157', 170', 242', 394', 770', 873'				
Salt Water Depth (ft.): No show of salt water during drilling.				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 273', 560', 750'				
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 7,601 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 91 Hours

Static rock Pressure 2,225 psig (surface pressure) after 91 Hours

Second producing formation N/A 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.

gml Britton
Signature

1/17/2013
Date

05/31/2013

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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 Gamma, CBL, OH Wireline Log

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 6,870' back to 5,575'
Pumped solid cement plug 1,708' to 2,011'

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Sand & Shale	0	/	273 / 273 -- Coal / 273 / 281 / 8
Sand & Shale	281	/	560 / 279 -- Coal / 560 / 566 / 6 -- Sand & Shale / 566 / 750 / 184 --
Coal	750	/	753 / 3 -- 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 / 6,424 / 50 -- Onondaga / 6,424 / 6,428 / 4 --
Huntersville	6,428	/	6,638 / 210 -- Needmore / 6,638 / 6,662 / 24
Oriskany	6,662	/	6,754 / 92 -- Helderberg / 6,754 / 6,860 / 116 --

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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	
8/14/2012	12629 - 12871		5,095.00	7,341.00	5 Min: 2156	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
95.07	8,790.00	2,588.00	0.84	10 Min: 2029		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal	15 Min: 1957		
400,493.00	10,282.00		2,000.00			

Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/14/2012	12329 - 12571		5,720.00	7,166.00	5 Min: 2484	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.80	7,765.00	3,247.00	0.94	10 Min: 2318		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal	15 Min: 2231		
401,817.00	10,380.00		750.00			

Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
8/14/2012	12029 - 12271		5,747.00	7,257.00	5 Min: 2425	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
93.10	8,279.00	3,606.00	0.99	10 Min: 2256		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal	15 Min: 2169		
335,906.00	7,983.00		750.00			

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/14/2012	11729 - 11971		5,396.00	6,865.00	5 Min: 2366
					10 Min: 2244
					15 Min: 2174
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.30	7,596.00	2,899.00	0.89		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
403,595.00	9,854.00		750.00		
Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/15/2012	11429 - 11671		5,817.00	6,782.00	5 Min: 2454
					10 Min: 2347
					15 Min: 2278
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.60	7,787.00	2,971.00	0.9		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
405,868.00	10,199.00		750.00		
Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/15/2012	11129 - 11371		5,875.00	6,942.00	5 Min: 2487
					10 Min: 2366
					15 Min: 2287
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.50	7,701.00	2,897.00	0.89		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,343.00	10,088.00		750.00		

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/15/2012	10829 - 11071		6,038.00	7,252.00	5 Min: 2529
					10 Min: 2414
					15 Min: 2334
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.50	8,371.00	3,130.00	0.92		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
363,312.00	10,196.00		750.00		
Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/15/2012	10529 - 10771		6,111.00	6,924.00	5 Min: 2633
					10 Min: 2502
					15 Min: 2427
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.10	7,507.00	3,204.00	0.93		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,411.00	9,989.00		750.00		
Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/16/2012	10229 - 10471		5,604.00	6,618.00	5 Min: 2584
					10 Min: 2476
					15 Min: 2406
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.20	7,068.00	3,012.00	0.9		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,387.00	9,857.00		750.00		

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/16/2012	9929 - 10171		5,960.00	6,511.00	5 Min: 2618
					10 Min: 2524
					15 Min: 2461
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.90	7,465.00	2,927.00	0.89		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
407,190.00	9,809.00		750.00		
Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/16/2012	9629 - 9871		5,596.00	6,771.00	5 Min: 2634
					10 Min: 2533
					15 Min: 2472
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.00	7,359.00	3,218.00	0.94		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,727.00	9,899.00		750.00		
Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/16/2012	9329 - 9571		5,573.00	6,562.00	5 Min: 2649
					10 Min: 2534
					15 Min: 2465
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.90	7,328.00	3,052.00	0.91		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
406,362.00	10,034.00		750.00		

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/16/2012	9029 - 9271		5,570.00	6,393.00	5 Min: 2759
					10 Min: 2642
					15 Min: 2579
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.70	6,922.00	3,095.00	0.92		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
406,987.00	9,884.00		750.00		
Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/17/2012	8729 - 8969		5,781.00	6,647.00	5 Min: 2726
					10 Min: 2626
					15 Min: 2565
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.90	6,950.00	3,287.00	0.95		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
406,488.00	10,410.00		750.00		
Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/17/2012	8429 - 8671		5,110.00	6,203.00	5 Min: 2715
					10 Min: 2583
					15 Min: 2573
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.80	6,714.00	3,542.00	0.99		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,763.00	10,094.00		750.00		

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EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
16	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/17/2012	8129 - 8371		5,748.00	6,439.00	5 Min: 2754
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2649
99.90	6,775.00	3,158.00	0.93		15 Min: 2633
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
407,534.00	9,884.00		750.00		
Stage	Formation	Frac Type			
17	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/17/2012	7829 - 8069		5,919.00	6,561.00	5 Min: 2818
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2696
100.30	6,902.00	3,258.00	0.99		15 Min: 2635
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
406,596.00	9,745.00		750.00		
Stage	Formation	Frac Type			
18	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/18/2012	7529 - 7771		5,416.00	6,389.00	5 Min: 2796
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2659
100.50	7,953.00	3,540.00	0.99		15 Min: 2578
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
401,907.00	9,919.00		750.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
19	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/18/2012	7229 - 7471		5,705.00	6,084.00	5 Min: 2756
					10 Min: 2626
					15 Min: 2548
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.30	6,915.00	3,379.00	0.96		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
403,951.00	9,569.00		750.00		
Stage	Formation	Frac Type			
20	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/18/2012	6929 - 7171		6,088.00	6,240.00	5 Min: 2665
					10 Min: 2546
					15 Min: 2468
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.90	7,398.00	3,207.00	0.93		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
403,111.00	9,609.00		750.00		
Stage	Formation	Frac Type			
21	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
8/18/2012	6629 - 6871		6,755.00	5,955.00	5 Min: 2663
					10 Min: 2520
					15 Min: 2436
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
97.80	8,284.00	3,097.00	0.92		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
407,875.00	10,048.00		750.00		