

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: 4-2-2013
API #: 47-10302735

Farm name: Mills-Wetzel Operator Well No.: 513927

LOCATION: Elevation: 1,472 Quadrangle: Big Run

District: Grant County: Wetzel, WV
Latitude: 39.552176 Feet South of _____ Deg. 39 Min. 33 Sec.
Longitude -80.605608 Feet West of West Deg. -80 Min. 36 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	26	40	40	57.7
Agent: Cecil Ray	13 3/8	861	861	861
Inspector: Derek Haught	9 5/8	3,485	3,485	465.45
Date Permit Issued: 3/12/2012	5 1/2	14,885	14,885	2,642.9
Date Well Work Commenced: 9/15/2012				
Date Well Work Completed: 1/21/2013				
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): 7,651				
Total Measured Depth (ft): 14,914				
Fresh Water Depth (ft.): 678, 683, 750				
Salt Water Depth (ft.): 1,400				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1,200, 1,219				
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) 8,460

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 See attached psig (surface pressure) after _____ Hours

Second producing 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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APR 10 2013
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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 Butts
Signature

4-2-2013
Date

05/24/2013

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 CBL, Gamma Ray and Geophysical

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): Cement Plug from 952' to 543'

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

Sand & Shale / 0 / 88 / 88 -- Red rock / 88 / 100 / 12 -- Sand & Shale / 100 / 185 / 85 --

Red rock / 185 / 230 / 45 -- Sandstone / 230 / 315 / 85 -- Red rock / 315 / 390 / 75

Sandstone / 390 / 480 / 90 -- Red rock / 480 / 530 / 50 -- Sandstone / 530 / 789 / 259 --

Red rock / 789 / 790 / 1 -- Sandstone / 790 / 1200 / 410 -- Coal / 1200 / 1209 / 9 -- Sand & shale / 1209 / 1219 / 10 --

Coal / 1219 / 1228 / 9 -- Sand & Shale / 1228 / 2250 / 1022 -- Sand / 2250 / 2400 / 150 -- Limestone / 2400 / 2555 / 155 --

Big Injun / 2555 / 2900 / 345 -- Bayard / 2900 / 3557 / 657 -- Warren / 3557 / 4083 / 526 --

Speechley / 4083 / 4453 / 370 -- Balltown A / 4453 / 4910 / 457 -- Riley / 4910 / 5644 / 734 --

Benson / 5644 / 6073 / 429 -- Alexander / 6073 / 7680 / 1607 -- Sonyea / 7680 / 7923 / 243 --

Middlesex / 7923 / 7990 / 67 -- Genesee / 7990 / 8107 / 117 -- Geneseo / 8107 / 8166 / 59 --

Tully / 8166 / 8224 / 58 -- Hamilton / 8224 / 8460 / 236 -- Marcellus / 8460 / 8501 / 41 --

Purcell / 8501 / 8515 / 14

513927

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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	
1/14/2013	14657 - 14777		0.00	8,223.00	5 Min: 3449	
					10 Min: 3310	
					15 Min: 3221	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
85.50	8,823.00	4,108.00	0.97			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
398,000.00	10,582.00		2,000.00			
Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/14/2013	14357 - 14597		6,978.00	8,175.00	5 Min: 4162	
					10 Min: 3766	
					15 Min: 3552	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.20	8,568.00	5,329.00	1.13			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
401,246.00	10,626.00		750.00			
Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/15/2013	14057 - 14299		6,397.00	8,418.00	5 Min: 4458	
					10 Min: 4063	
					15 Min: 3797	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.60	8,682.00	5,768.00	1.18			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
398,500.00	10,286.00		750.00			

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Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/15/2013	13757 - 13999		6,914.00	8,504.00	5 Min: 4132
					10 Min: 3870
					15 Min: 3677
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
95.40	8,741.00	4,785.00	1.05		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
396,048.00	10,298.00		750.00		
Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/15/2013	13457 - 13699		6,156.00	8,351.00	5 Min: 3512
					10 Min: 3371
					15 Min: 3292
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
83.50	8,909.00	3,981.00	0.95		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
399,479.00	10,258.00		750.00		
Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/15/2013	13157 - 13399		5,723.00	8,488.00	5 Min: 4058
					10 Min: 3656
					15 Min: 3578
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
89.10	8,784.00	5,285.00	1.12		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
402,152.00	10,121.00		750.00		

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Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/16/2013	12857 - 13128		6,816.00	8,263.00	5 Min: 3637
					10 Min: 3438
					15 Min: 3327
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
86.20	8,879.00	4,455.00	1.01		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
351,581.00	10,661.00		750.00		
Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/16/2013	12857 - 13097		6,173.00	8,406.00	5 Min: 4164
					10 Min: 3799
					15 Min: 3601
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
90.30	8,728.00	5,061.00	1		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
397,105.00	10,274.00		750.00		
Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/16/2013	12257 - 12497		5,770.00	8,469.00	5 Min: 4061
					10 Min: 3660
					15 Min: 3469
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
91.90	8,801.00	5,247.00	1.11		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
398,533.00	10,142.00		750.00		

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Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/17/2013	11957 - 12199		6,793.00	8,448.00	5 Min: 5377
					10 Min: 4295
					15 Min: 4213
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
87.60	10,033.00	0.00	0		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
398,088.00	9,675.00		750.00		
Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/17/2013	11657 - 11899		6,836.00	8,389.00	5 Min: 3919
					10 Min: 3649
					15 Min: 3506
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
79.20	8,813.00	5,205.00	1.11		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
214,788.00	9,377.00		750.00		
Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/18/2013	11357 - 11599		6,185.00	8,233.00	5 Min: 3556
					10 Min: 3233
					15 Min: 3181
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
92.90	8,520.00	4,308.00	0.99		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
399,336.00	9,990.00		750.00		

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Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/18/2013	11057 - 11299		6,473.00	8,340.00	5 Min: 4179
					10 Min: 3848
					15 Min: 3630
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
85.90	9,364.00	6,015.00	1.21		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
395,412.00	10,417.00		750.00		
Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/19/2013	10757 - 10999		6,242.00	8,228.00	5 Min: 3326
					10 Min: 3174
					15 Min: 3106
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
87.60	8,691.00	4,082.00	0.96		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
402,071.00	10,820.00		750.00		
Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/19/2013	10457 - 10699		6,929.00	8,334.00	5 Min: 3564
					10 Min: 3351
					15 Min: 3235
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
89.10	8,748.00	4,186.00	0.98		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,118.00	9,401.00		750.00		

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Stage	Formation	Frac Type			
16	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/20/2013	10157 - 10399		6,716.00	8,041.00	5 Min: 3311
					10 Min: 3188
					15 Min: 3129
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
90.80	8,440.00	3,993.00	0.95		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,332.00	9,576.00		750.00		
Stage	Formation	Frac Type			
17	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/20/2013	9857 - 10099		6,950.00	8,062.00	5 Min: 3592
					10 Min: 3398
					15 Min: 3308
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
94.30	8,401.00	4,528.00	1.02		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,524.00	9,697.00		750.00		
Stage	Formation	Frac Type			
18	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/20/2013	9557 - 9799		6,366.00	7,881.00	5 Min: 3530
					10 Min: 3316
					15 Min: 3300
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.10	8,294.00	4,122.00	0.97		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
399,224.00	10,185.00		750.00		

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Stage	Formation	Frac Type			
19	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/20/2013	9257 - 9499		6,420.00	8,319.00	5 Min: 3353
					10 Min: 3219
					15 Min: 3152
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.90	8,614.00	4,039.00	0.96		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
403,489.00	9,734.00		750.00		
Stage	Formation	Frac Type			
20	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/21/2013	8957 - 9199		5,966.00	8,262.00	5 Min: 3460
					10 Min: 3255
					15 Min: 3169
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
96.40	8,631.00	4,279.00	0.99		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,149.00	9,633.00		750.00		
Stage	Formation	Frac Type			
21	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/21/2013	8657 - 8899		6,440.00	8,097.00	5 Min: 3461
					10 Min: 3265
					15 Min: 3185
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
94.10	8,869.00	4,373.00	1		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,185.00	9,862.00		500.00		

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Stage	Formation	Frac Type			
22	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/21/2013	8492 - 8614		6,139.00	7,886.00	5 Min: 3533
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 0
87.50	8,935.00	4,416.00	1.01		15 Min: 0
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,902.00	5,567.00		750.00		

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