

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: 2012-09-05
API #: 47091-01220

RECEIVED
Office of Oil & Gas

Farm name: James M. Taylor et al Operator Well No.: 511502

LOCATION: Elevation: 1470 Quadrangle: Rosemont **SEP 11 2012**

District: Unknown County: Taylor, WV
Latitude: 39.29455 Feet South of _____ Deg. 39 Min. 20 Sec. _____
Longitude -80.19241 Feet West of West Deg. 80 Min. 10 Sec. _____

WV Department of Environmental Protection

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	42	42	169.74
Agent: Cecil Ray	13 3/8	943.55	943.55	852
Inspector: Brian Harris	9 5/8	2,713.8	2,713.8	1,047.2
Date Permit Issued: <u>2011-03-21</u>	5 1/2	11,692.76	11,692.76	1,293.2
Date Well Work Commenced: <u>2011-05-13</u>				
Date Well Work Completed: <u>2011-11-07</u>				
Verbal Plugging: <u>Not Applicable</u>				
Date Permission granted on: <u>Not Applicable</u>				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>7,384.00</u>				
Total Measured Depth (ft): <u>11,700</u>				
Fresh Water Depth (ft.): <u>None Reported</u>				
Salt Water Depth (ft.): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>600, 795, 885</u>				
Void(s) encountered (N/Y) Depth(s) <u>No</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) _____

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

Final open flow 6,839 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 972 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

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.



Signature

09-05-2012
Date

10/26/2012

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 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): Type 1 w/45 CD-32 Top: 5305.0 Bottom: 5,553.0
17.0 ppg Kick-off plug cement Top: 6,875.0 Bottom: 7,475.0

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

Clay 0/4/40 - Sandstone 40/205/165 - Red Rock 205/225/20 - Sand 225/580/355 - Red Rock 580/595/15
Sand 595/600/5 - Coal 600/610/10 - Sand 610/795/185 - Coal 795/805/10 - Sand 805/885/80
Coal 885/895/10 - Sandstone 895/983/88 - Siltstone 983/1334/351 - Limestone 1334/1423/89
Sandstone 1423/2459/1036 - Sand 2459/ 3149.6/ 690 - Spechly 3149/3432/283 - Bradford 3432/3600/168
Balltown B 3600/3847/247 - Riley 3847/4459/612 - Benson 4459/6814/2355
Sonyea 6811/7156/345 - Middlesex 7156/7252/96 - Genesee 7252/7335/83
Genesee 7335/7372/37 - Tully 7372/7410/38 - Hamilton 7410/7485/75
Marcellus 7485/7513/28 - Purcell 7513/7524/11 - Cherry Valley 7524--

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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Stage	Formation	Frac Type			
1	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/15/2011	11549 - 11671		8,897.00	8,360.00	5 Min:
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min:
82.80	9,522.00				15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
179,304.00	5,244.00		2,000.00		

Stage	Formation	Frac Type			
2	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/21/2011	11399 - 11521		0.00	8,008.00	5 Min: 5132
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4853
88.40	8,738.00	6,191.00	1.27		15 Min: 4688
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
196,089.00	6,251.00		2,000.00		

Stage	Formation	Frac Type			
3	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/21/2011	11249 - 11371		7,402.00	8,138.00	5 Min: 5447
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5258
90.50	8,969.00	5,730.00	1.2		15 Min: 5106
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
205,140.00	5,653.00		2,000.00		

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Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/21/2011	11099 - 11221		8,020.00	8,099.00	5 Min: 5508
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5349
97.00	8,587.00	5,814.00	1.2		15 Min: 5223
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,810.00	5,333.00		2,000.00		

Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/21/2011	10951 - 11069		7,602.00	8,067.00	5 Min: 5654
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5507
92.70	9,151.00	6,055.00	1.25		15 Min: 5400
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,340.00	5,464.00		2,000.00		

Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/21/2011	10799 - 10921		7,499.00	8,161.00	5 Min: 5683
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5575
83.65	8,931.00	5,956.00	1.24		15 Min: 5410
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,965.00	5,340.00		2,000.00		

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Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/21/2011	10649 - 10771		6,697.00	8,441.00	5 Min: 5397
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5129
88.00	8,946.00	5,882.00	1.22		15 Min: 4956
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,834.00	5,373.00		2,000.00		

Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/22/2011	10499 - 10621		7,520.00	8,293.00	5 Min: 5482
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5343
90.22	8,814.00	5,620.00	1.19		15 Min: 5253
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
197,815.00	5,174.00		2,000.00		

Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/22/2011	10349 - 10471		6,167.00	8,420.00	5 Min: 5483
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5351
90.00	8,906.00	5,790.00	1.21		15 Min: 5253
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,030.00	5,351.00		2,000.00		

EQT WR-35 Completion

Stage	Formation
10	MARCELLUS
Date	From /
9/22/2011	10199 - 103
Avg Rate	Max Press I
87.60	8,912
Sand Proppant	Water-I
398,440.00	5,495

Stage	Formation
11	MARCELLUS
Date	From /
9/22/2011	10049 - 10
Avg Rate	Max Press I
91.80	8,731
Sand Proppant	Water-I
200,910.00	5,317

Stage	Formation
12	MARCELLUS
Date	From /
9/22/2011	9899 - 100
Avg Rate	Max Press I
95.04	8,749
Sand Proppant	Water-I
199,760.00	5,178

Attachment Well Treatment Summary

Frac Type			
Slickwater			
# of perfs	BD Press	ATP Psi	SIP Detail
	7,147.00	8,256.00	5 Min: 5085
ISIP	Frac Gradient		
5,498.00	1.17		
SCF N2	Acid-Gal		
		10 Min: 4959	
		15 Min: 4868	

Frac Type			
Slickwater			
# of perfs	BD Press	ATP Psi	SIP Detail
	6,499.00	8,117.00	5 Min: 5497
ISIP	Frac Gradient		
5,584.00	1.18		
SCF N2	Acid-Gal		
	2,000.00	10 Min: 5390	
		15 Min: 5293	

Frac Type			
Slickwater			
# of perfs	BD Press	ATP Psi	SIP Detail
	6,915.00	8,332.00	5 Min: 5625
ISIP	Frac Gradient		
5,776.00	1.21		
SCF N2	Acid-Gal		
	2,000.00	10 Min: 5517	
		15 Min: 5439	

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Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/22/2011	9749 - 9871		6,803.00	8,332.00	5 Min: 5678
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5556
91.18	8,739.00	5,870.00	1.22		15 Min: 5465
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,568.00	5,154.00		2,000.00		
Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/23/2011	9599 - 9721		7,672.00	8,194.00	5 Min: 5719
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5623
88.80	8,750.00	6,100.00	1.25		15 Min: 5543
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,264.00	5,175.00		2,000.00		
Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/23/2011	9449 - 9571		6,715.00	8,271.00	5 Min: 5668
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5539
88.70	8,735.00	6,060.00	1.24		15 Min: 5451
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,476.00	5,210.00		2,000.00		

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Stage	Formation	Frac Type			
16	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psl	SIP Detail
9/23/2011	9299 - 9421		8,389.00	8,480.00	5 Min: 5779
					10 Min: 5640
					15 Min: 5536
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
93.20	8,835.00	6,153.00	1.26		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,856.00	5,057.00		2,000.00		
Stage	Formation	Frac Type			
17	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psl	SIP Detail
9/23/2011	9149 - 9271		7,858.00	8,424.00	5 Min: 5796
					10 Min: 5655
					15 Min: 5556
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
93.50	8,831.00	5,917.00	1.22		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
198,784.00	5,529.00		2,000.00		
Stage	Formation	Frac Type			
18	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psl	SIP Detail
9/24/2011	8999 - 9121		7,634.00	8,309.00	5 Min: 5844
					10 Min: 5726
					15 Min: 5641
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
93.80	9,050.00	6,824.00	1.34		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
198,094.00	5,022.00		2,000.00		

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Stage	Formation	Frac Type			
19	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/24/2011	8849 - 8971		7,084.00	7,950.00	5 Min: 5644
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5498
94.70	8,779.00	5,921.00	1.22		15 Min: 5443
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
200,087.00	5,144.00		2,000.00		
Stage	Formation	Frac Type			
20	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/24/2011	8699 - 8821		6,804.00	8,075.00	5 Min: 5655
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5513
93.90	8,391.00	5,903.00	1.22		15 Min: 5419
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,915.00	5,074.00		2,000.00		
Stage	Formation	Frac Type			
21	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/24/2011	8549 - 8671		7,851.00	8,006.00	5 Min: 5606
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5527
94.26	8,933.00	5,799.00	1.21		15 Min: 5471
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,563.00	5,123.00		2,000.00		

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Stage	Formation	Frac Type			
22	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/24/2011	8399 - 8521		7,393.00	7,750.00	5 Min: 5665
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5587
98.90	8,629.00	5,887.00	1.22		15 Min: 5529
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,124.00	5,117.00		2,000.00		
Stage	Formation	Frac Type			
23	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/25/2011	8249 - 8371		7,687.00	7,995.00	5 Min: 5722
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 5619
97.26	8,751.00	6,995.00	1.24		15 Min: 5583
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
198,192.00	5,033.00		2,000.00		
Stage	Formation	Frac Type			
24	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/25/2011	8099 - 8221		8,980.00	7,494.00	5 Min: 4088
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4022
99.50	8,980.00	4,232.00	1		15 Min: 3922
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
178,292.00	4,980.00		2,000.00		

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