

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: 2012-11-29
API #: 47-9101227

Farm name: Charles H. Cather et al Operator Well No.: 513055

LOCATION: Elevation: 1183 Quadrangle: Rosemont

District: Unknown County: Taylor, WV
Latitude: 39.30096 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude -80.16334 Feet West of West Deg. _____ Min. _____ 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	
Agent: Cecil Ray	13 3/8	1,040	1,040	912
Inspector: Brian Harris	9 5/8	2,830	2,830	1,094.8
Date Permit Issued: 2011-02-24	5 1/2	12,147	12,147	1,438.8
Date Well Work Commenced: 2011-06-30				
Date Well Work Completed: 2012-02-27				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7,440 ft				
Total Measured Depth (ft): 12,171 ft				
Fresh Water Depth (ft.): 55, 542 ft				
Salt Water Depth (ft.): 1,878 ft				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 450, 470, 685				
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) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 3,440 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 2,416 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

2012-11-29
Date

01/11/2013

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): Isolation Plug (126 sacks of Class A at .99 ft/sack) Top 6,147ft / Bottom 6,447 ft

Kick off plug (145 sacks of Standard Cement at 1.15 ft/sack) Top 2,830 ft/Bottom 3,230ft

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

Fill 0 / 28 -- Sand 28 / 32 -- Fill 32 / 78 -- Redrock 78 / 83 -- Fill/Clay 83 / 107 -- Redrock 107 / 113 --
Fill/Clay 113 / 169 -- Sand 169 / 190 -- sand/Shale 190 / 450 -- Coal 450 / 460 -- Sand/Shale 460 / 470 --
Coal 470 / 480 -- Gray Shale 480 / 685 -- Coal 685 / 700 -- Sandstone 700 / 892 -- Sand 892 / 905 --
Sandstone 905 / 950 -- Sand 950 / 955 -- Sandstone 955 / 1,070.00 -- Sand 1,070.00 / 1,078.00 -- Sandstone 1,078.00 / 1,094.00 --
Sand 1,094.00 / 1,112.00 -- Sandstone 1,112.00 / 1,134.00 -- Sand 1,134.00 / 1,140.00 -- Sandstone 1,140.00 / 1,166.00 --
Sand 1,166.00 / 1,180.00 -- Sandstone 1,180.00 / 1,207.00 -- Sand 1,217.00 / 1,228.00 -- Sandstone 1,228.00 / 1,320.48 --
Big Lime 1,320 / 1,424.65 -- Big Injun 1,424.65 / 1,577.04 -- Weir Sand 1,577.04 / 1,810
Gantz 1,810 / 1,879.22 -- Fifty Foot 1,879.22 / 1,949.82 -- -Thirty Foot 1,949.82 / 2,008.36
Gordon 2,008.36 / 2,128.03 -- -Fourth Sand 2,128.03 / 2,343.85 -- Fifth Sand 2,343.85 / 2,371.67
Bayard 2,371.67 / 2,783.3 -- -B-5 2,783.3 / 3,001.61 -- -Speechley 3,001.61 / 3,332.79
Riley 3,717.32 / 4,346.2 -- -Benson 4,346.2 / 4,704.67 -- Elk 4,704.67 / 6,572.83
Sonyea 6,572.83 / 6,901.42 -- Middlesex 6,901.42 / 7,036.62 -- Genesee 7,036.62 / 7,296.36
Geneseo 7,296.36 / 7,316.42 -- Tully 7,316.42 / 7,369.64 -- Hamilton 7,369.64 / 7,502.25
Marcellus / 7,502.25 -- Purcell / 7,566.8 -- Cherry Valley / 7,643.08

01/11/2013

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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Stage	Formation	Frac Type			
1	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/10/2012	11852 - 12092		7,946.00	8,454.00	5 Min: 4401
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4268
85.50	8,856.00	5,091.00	1.12		15 Min: 4250
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,172.00	10,183.00		2,000.00		

Stage	Formation	Frac Type			
2	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/10/2012	11550 - 11792		7,359.00	8,375.00	5 Min: 4587
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4311
92.70	8,958.00	5,363.00	1.15		15 Min: 4172
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
401,251.00	9,108.00		1,000.00		

Stage	Formation	Frac Type			
3	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/10/2012	10950 - 11190		8,056.00	8,364.00	5 Min: 4865
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4585
93.30	8,780.00	5,530.00	1.17		15 Min: 4447
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
801,642.00	9,535.00				

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Stage	Formation	Frac Type				
4	MARCELLUS	Water				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/10/2012	10950 - 11190		7,566.00	8,299.00	5 Min: 4979	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
96.70	8,733.00	5,524.00	1.17	10 Min: 4606 15 Min: 4461		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
398,242.00	10,019.00		1,000.00			

Stage	Formation	Frac Type				
5	MARCELLUS	Water				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/11/2012	10650 - 10892		7,261.00	8,334.00	5 Min: 4906	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.00	8,640.00	5,605.00	1.18	10 Min: 4628 15 Min: 4485		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
403,271.00	10,010.00		1,000.00			

Stage	Formation	Frac Type				
6	MARCELLUS	Water				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/11/2012	10350 - 10592		7,404.00	8,230.00	5 Min: 5144	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.40	8,570.00	5,424.00	1.16	10 Min: 4788 15 Min: 4581		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
405,533.00	9,436.00		1,000.00			

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Stage	Formation	Frac Type				
7	MARCELLUS	Water				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/12/2012	10050 - 10290		7,332.00	8,191.00	5 Min: 4853	
					10 Min: 4512	
					15 Min: 4344	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
88.30	8,943.00	5,499.00	1.16			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
408,550.00	11,822.00		1,000.00			

Stage	Formation	Frac Type				
8	MARCELLUS	Water				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/12/2012	9750 - 9992		7,839.00	8,266.00	5 Min: 5119	
					10 Min: 4749	
					15 Min: 4530	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
95.10	8,912.00	5,603.00	1.18			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
405,170.00	9,880.00		1,000.00			

Stage	Formation	Frac Type				
9	MARCELLUS	Water				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/12/2012	9450 - 9692		7,872.00	8,133.00	5 Min: 5049	
					10 Min: 4648	
					15 Min: 4392	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
98.40	8,383.00	5,411.00	1.15			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
395,022.00	9,943.00		1,000.00			

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10	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/12/2012	9150 - 9390		7,475.00	8,045.00	5 Min: 5048
					10 Min: 4673
					15 Min: 4455
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.70	8,418.00	5,647.00	1.18		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
397,469.00	9,828.00		1,000.00		
Stage	Formation	Frac Type			
11	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/13/2012	8850 - 9090		6,828.00	7,759.00	5 Min: 4771
					10 Min: 4463
					15 Min: 4306
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
97.80	8,356.00	5,338.00	1.14		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
777,382.00	9,704.00		1,000.00		
Stage	Formation	Frac Type			
12	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/13/2012	8550 - 8792		6,835.00	8,002.00	5 Min: 5088
					10 Min: 4845
					15 Min: 4696
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
95.60	8,962.00	6,035.00	1.23		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,740.00	10,187.00		1,000.00		

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13	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/13/2012	8250 - 8492		6,399.00	7,617.00	5 Min: 4193
					10 Min: 4081
					15 Min: 4010
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
94.00	8,116.00	4,575.00	1.04		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
401,820.00	9,807.00		1,000.00		
Stage	Formation	Frac Type			
14	MARCELLUS	Water			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/13/2012	7950 - 8190		6,747.00	6,903.00	5 Min: 4227
					10 Min: 4061
					15 Min: 3980
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.20	8,541.00	4,951.00	1.09		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
399,543.00	9,801.00		1,000.00		