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: 02/28/2013
API #: 47-103-02580
Revised

Farm name: Sizemore, Donna  Operator Well No.: James Sizemore 1H (See note on Page 2)

LOCATION: Elevation: 1,150'  Quadrangle: Littleton 7.5'

District: Center  County: Wetzel
Latitude: 7,655' Feet South of 39 Deg. 40 Min. 00.0 Sec.
Longitude 8,290' Feet West of 80 Deg. 30 Min. 00.0 Sec.

Company: Grenadier Energy Partners, LLC

| Address: CT Corportion, 707 Virginia Street East 16th Floor, Charleston, WV 25301 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| | | | | |
| Agent: Dianna Stamper | 24" | 40' | 40' | Grouted In |
| Inspector: Dave Scranage | 16" | 428' | 428' | 483 cu. ft (CTS) |
| Date Permit Issued: 10/01/2010 | 11-3/4" | 1432' | 1432' | 903 cu. ft (CTS) |
| Date Well Work Commenced: 12/09/2010 | 8-5/8" | 2499' | 2499' | 729 cu.ft (CTS) |
| Date Well Work Completed: 07/04/2011 | 5-1/2" | 10,584' | 10,584' | 2145 cu. ft (CTS) |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary [x] Cable [ ] Rig [ ] | | | | |
| Total Vertical Depth (ft): 7,443' (See note on Page 2) | | | | |
| Total Measured Depth (ft): 10,640' | | | | |
| Fresh Water Depth (ft.): Est. 165' | | | | |
| Salt Water Depth (ft.): N/A | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): N/A | | | | |
| 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 Shale  Pay zone depth (ft) 7535' - 10515' MD
Gas: Initial open flow 5997 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 4425 psig (surface pressure) after 168 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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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.

Byron Harley  2/28/13
Signature  Date

103.02580

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 Yes
Photo Density-Compensated Neutron-GR, Dual Laterolog-GR, Compensated Sonic-GR

**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:

Perforations: Total Perforated Interval (7535' - 10515' MD)

Fluid: 80,216 bbl Slickwater pumped in 8 Stages

Sand: 1,753,480 lbs 100 mesh sand, 1,740,906 lbs 40/70 sand

Plug Back Details Including Plug Type and Depth(s): Cement Kickoff Plug for Horizontal - 7443' to 6250' w/ 265 sx of cement

Formations Encountered: Top Depth / Bottom Depth
Surface:

See Attached Sheet

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Note: The James Sizemore 1H well had a pilot hole drilled prior to kicking off and going horizontal. The TVD shown for this well is the deepest depth recorded by the driller for the pilot hole. This portion of the well was then plugged back from 7443' to 6250' w/ 265 sx of cement (see plugback details). The James Sizemore 1H was then drilled by kicking off this plug and going horizontal. The total measured depth (TMD) shown is for the horizontal wellbore.

103.02580

James Sizemore 1H – API #47-103-02580

Formations / Lithology

| Formation/Lithology | Top Depth | Bottom Depth |
|---|---|---|
| Silt & Shale | 0 | 1040 |
| Red Rocks | 1040 | 1095 |
| Sand & Shale | 1095 | 1931 |
| Salt Sand | 1931 | 2000 |
| Shale | 2000 | 2057 |
| Big Lime | 2057 | 2150 |
| Big Injun | 2150 | 2356 |
| Silt & Shale | 2356 | 2900 |
| Gordon Stray Ss | 2900 | 2910 |
| Silt & Shale | 2910 | 2938 |
| Gordon Ss | 2938 | 2991 |
| Silt and Shale | 2991 | 3030 |
| Fourth Gordon ss | 3030 | 3042 |
| Silt and Shale | 3042 | 6444 |
| Rhinestreet | 6444 | 6872 |
| Sonya Sh | 6872 | 7002 |
| Genesee Sh | 7062 | 7150 |
| Geneseo Sh | 7150 | 7174 |
| Trully Lm | 7174 | 7178 |
| Hamilton Sh | 7178 | 7303 |
| Marcellus Sh | 7303 | 7351 |
| Onondaga | 7351 | 7382 |
| Huntersville Chert | 7382 | 7443* |

* This depth is the TD of the well. The bottom of the formation was not located.

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WR-35
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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 3-12-2013
API #: 47-10302697 Amended

Farm name: Sharon Scyoc  Operator Well No.: 513979

LOCATION: Elevation: 1,474  Quadrangle: Pine Grove

District: Grant  County: Wetzel, WV
Latitude: 39.565282 Feet South of ____ Deg. 39 Min. 35 Sec.
Longitude -80.626355 Feet West of West Deg. 80 Min. 37 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 26 | 60 | 60 | 86 |
| Agent: Cecil Ray | 13 3/8 | 850 | 850 | 885 |
| Inspector: Derek Haught | 9 5/8 | 3408 | 3408 | 1,392 |
| Date Permit Issued: 10-13-2011 | 5 1/2 | 14,016 | 14,016 | 2,175 |
| Date Well Work Commenced: 6-12-2012 | | | | |
| Date Well Work Completed: 5-3-2013 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,516 | | | | |
| Total Measured Depth (ft): 14,049 | | | | |
| Fresh Water Depth (ft.): 340', 736' | | | | |
| Salt Water Depth (ft.): No show of salt water | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 76, 91, 169, 181, 222, 352, 413, 458, 553, 668, 690 | | | | |
| 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) 7,456
Gas: Initial open flow 7,680 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 3,196 psig (surface pressure) after 173.5 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

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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.

Signature  Date 5-6-2013

103.02697

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 Gyro, MWD-Gamma, & 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):

N/A

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand & Shale / 0 / 76 / 76 -- Coal / 76 / 78 / 2 -- Sand & Shale / 78 / 91 / 13 -- Coal / 91 / 96 / 5 -- Sand & Shale / 96 / 169 / 73 -- Coal / 169 / 171 / 2 --

Sand & Shale / 171 / 181 / 10 -- Coal / 181 / 194 / 13 -- Sand & Shale / 194 / 222 / 28 -- Coal / 222 / 225 / 3 -- Sand & Shale / 225 / 352 / 127 --

Coal / 352 / 355 / 3 -- Sand & Shale / 355 / 380 / 25 -- Red Rock / 380 / 386 / 6 -- Sand & Shale / 386 / 400 / 14 -- Red Rock / 400 / 404 / 4 --

Sand & Shale / 404 / 413 / 9 -- Coal / 413 / 416 / 3 -- Sand & shale / 416 / 458 / 42 -- Coal / 458 / 462 / 4 -- Sand & Shale / 462 / 553 / 91 --

Coal / 553 / 577 / 24 -- Sand & Shale / 577 / 668 / 91 -- Coal / 668 / 672 / 4 -- Sand & Shale / 672 / 690 / 18 -- Coal 690 / 712 / 22 --

Sand & Shale / 712 / 1152 / 440 -- Red Rock / 1152 / 1164 / 12 -- Sand & Shale / 1164 / 1330 / 166 -- Red Rock / 1330 / 1335 / 5 -- Sand & Shale / 1335 / 1360 / 5 --

Red Rock / 1360 / 1368 / 8 -- Sand & shale / 1368 / 1375 / 7 -- red Rock / 1375 / 1391 / 16 --

Sand & Shale / 1391 / 1553 / 142 -- Red Rock / 1553 / 1560 / 7 -- Sand & Shale / 1560 / 2306 / 746

Maxton / 2306 / 2524 / 218 -- Big Lime / 2524 / 2650 / 126 / -- Big Injun / 2650 / 2795 / 145 -- Weir / 2795 / 2994 / 199

Gantz / 2994 / 3114 / 120 -- 50F / 3114 / 3190 / 76 -- 30F / 3190 / 3242 / 52 -- Gordon / 3242 / 3324 / 82 --

Fourth Sand / 3324 / 3450 / 126 -- Bayard / 3450 / 3902 / 452 -- Warren / 3902 / 4053 / 151 -- Speechley / 4053 / 4898 / 845 --

Riley / 4898 / 5566 / 668 -- Benson / 5566 / 5882 / 316 -- Alexander / 5882 / 7034 / 1152 --

Sonyea / 7034 / 7202 / 168 -- Middlesex / 7202 / 7242 / 40 -- Genesee / 7242 / 7326 / 84 -- Geneseo / 7326 / 7351 / 25 --

Tully / 7351 / 7376 / 25 -- Hamilton / 7376 / 7456 / 80 -- Marcellus -- 7456 / 7461 / 5 --

Purcell / 7461 / 7516 / 55 -- Cherry Valley / 7516

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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** |
| 11/5/2012 | 13671 - 13853 | | 8,193.00 | 8,368.00 | 5 Min: 3600 |
| | | | | | 10 Min: 3461 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3396 |
| 84.50 | 8,655.00 | 4,180.00 | 0.99 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 372,407.00 | 10,437.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 2 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/5/2012 | 13371 - 13613 | | 7,403.00 | 8,371.00 | 5 Min: 3661 |
| | | | | | 10 Min: 3561 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3508 |
| 83.40 | 8,899.00 | 4,053.00 | 0.97 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 381,687.00 | 10,167.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 3 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/5/2012 | 13071 - 13311 | | 6,305.00 | 8,302.00 | 5 Min: 3992 |
| | | | | | 10 Min: 3770 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3629 |
| 83.70 | 8,544.00 | 4,419.00 | 1.02 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 372,987.00 | 9,887.00 | | 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** |
| 11/6/2012 | 12771 - 13013 | | 6,455.00 | 8,445.00 | 5 Min: 4176 |
| | | | | | 10 Min: 3908 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3774 |
| 77.94 | 9,053.00 | 5,343.00 | 1.15 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 244,259.00 | 9,667.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 5 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2012 | 12471 - 12713 | | 6,570.00 | 8,266.00 | 5 Min: 3945 |
| | | | | | 10 Min: 3707 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3736 |
| 95.40 | 8,692.00 | 4,497.00 | 1.03 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 344,138.00 | 10,017.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 6 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2012 | 12171 - 12413 | | 6,818.00 | 8,284.00 | 5 Min: 3988 |
| | | | | | 10 Min: 3830 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3746 |
| 88.80 | 9,068.00 | 4,406.00 | 1.02 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 306,905.00 | 10,199.00 | | 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** |
| 11/6/2012 | 11871 - 12113 | | 6,452.00 | 8,068.00 | 5 Min: 4062 |
| | | | | | 10 Min: 3840 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3746 |
| 95.00 | 8,374.00 | 4,885.00 | 1.08 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 377,128.00 | 10,218.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 8 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2012 | 11571 - 11813 | | 7,056.00 | 8,273.00 | 5 Min: 3839 |
| | | | | | 10 Min: 3738 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3691 |
| 97.80 | 8,616.00 | 4,497.00 | 1.03 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 401,487.00 | 10,114.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2012 | 11271 - 11513 | | 6,555.00 | 8,418.00 | 5 Min: 4157 |
| | | | | | 10 Min: 4033 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3945 |
| 85.20 | 8,956.00 | 5,248.00 | 1.13 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 246,261.00 | 8,408.00 | | 750.00 | | |

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|---|---|---|---|---|---|
| **Stage** | **Formation** | **Frac Type** | | | |
| 10 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2012 | 10971 - 11213 | | 7,501.00 | 8,049.00 | 5 Min: 3798 |
| | | | | | 10 Min: 3731 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3693 |
| 86.60 | 8,331.00 | 4,120.00 | 0.98 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 369,294.00 | 10,308.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 11 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2012 | 10671 - 10913 | | 6,167.00 | 7,974.00 | 5 Min: 4001 |
| | | | | | 10 Min: 3860 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3797 |
| 94.00 | 8,548.00 | 4,566.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,406.00 | 9,952.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 12 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/8/2012 | 10371 - 10613 | | 7,433.00 | 7,849.00 | 5 Min: 3889 |
| | | | | | 10 Min: 3748 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3714 |
| 98.10 | 8,619.00 | 4,557.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 415,731.00 | 9,771.00 | | 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** |
| 11/8/2012 | 10071 - 10313 | | 6,831.00 | 7,996.00 | 5 Min: 3769 |
| | | | | | 10 Min: 3680 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3634 |
| 95.60 | 8,318.00 | 4,251.00 | 1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 398,847.00 | 9,519.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 14 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/9/2012 | 9771 - 10013 | | 6,692.00 | 7,941.00 | 5 Min: 3804 |
| | | | | | 10 Min: 3725 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3674 |
| 93.90 | 8,881.00 | 4,189.00 | 0.99 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,264.00 | 9,839.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 15 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/9/2012 | 9471 - 9713 | | 6,950.00 | 7,606.00 | 5 Min: 3783 |
| | | | | | 10 Min: 3682 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3635 |
| 97.50 | 8,386.00 | 4,517.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,392.00 | 9,409.00 | | 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** |
| 11/10/2012 | 9171 - 9413 | | 6,805.00 | 7,903.00 | 5 Min: 3888 |
| | | | | | 10 Min: 3720 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3638 |
| 99.40 | 8,337.00 | 4,540.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 403,758.00 | 9,266.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 17 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2012 | 8871 - 9113 | | 7,559.00 | 7,663.00 | 5 Min: 4655 |
| | | | | | 10 Min: 4258 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4043 |
| 100.00 | 8,806.00 | 5,646.00 | 1.19 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,787.00 | 9,425.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 18 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2012 | 8571 - 8813 | | 7,747.00 | 8,273.00 | 5 Min: 3775 |
| | | | | | 10 Min: 3642 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3586 |
| 94.90 | 9,015.00 | 4,585.00 | 1.05 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 397,590.00 | 10,346.00 | | 750.00 | | |

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MAY 10 2013

Office of Oil and Gas
WV Department of Environmental Protection

103-02697

| 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** |
| 11/10/2012 | 8271 - 8513 | | 7,097.00 | 8,293.00 | 5 Min: 3860 |
| | | | | | 10 Min: 3721 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3638 |
| 98.30 | 8,769.00 | 4,345.00 | 1.01 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,187.00 | 9,401.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 20 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2012 | 7971 - 8213 | | 7,320.00 | 7,368.00 | 5 Min: 3738 |
| | | | | | 10 Min: 3641 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3586 |
| 100.20 | 7,738.00 | 4,188.00 | 0.99 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,512.00 | 9,372.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 21 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2012 | 7806 - 7928 | | 6,408.00 | 7,291.00 | 5 Min: 3828 |
| | | | | | 10 Min: 3637 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3611 |
| 99.90 | 7,996.00 | 4,317.00 | 1.01 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 201,253.00 | 4,909.00 | | 750.00 | | |

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Office of Oil and Gas
WV Dept. of Environmental Protection

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: 3-1-2013
API #: 47-10302698 Amended

Farm name: Sharon Scyoc  Operator Well No.: 513978

LOCATION: Elevation: 1,474  Quadrangle: Pine Grove

District: Grant  County: Wetzel, WV
Latitude: 39.565244 Feet South of ____ Deg. 39 Min. 35 Sec.
Longitude -80.626334 Feet West of West Deg. 80 Min. 37 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 26 | 60 | 60 | 86.49 |
| Agent: Cecil Ray | 13 3/8 | 835 | 835 | 826 |
| Inspector: Derek Haught | 9 5/8 | 3,410 | 3,410 | 1,428 |
| Date Permit Issued: 10-12-2011 | 5 1/2 | 14,143 | 14,143 | - |
| Date Well Work Commenced: 3-15-2012 | | | | |
| Date Well Work Completed: 5-3-2013 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,502 | | | | |
| Total Measured Depth (ft): 14,007 | | | | |
| Fresh Water Depth (ft.): 665, 670 | | | | |
| Salt Water Depth (ft.): No show of salt water | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 76, 90, 109, 124, 133, 160, 177, 191, 220, 254, 1,154, 1,658 | | | | |
| 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) 7,456
Gas: Initial open flow 9,840 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 3,414 psig (surface pressure) after 153.5 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

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WV Dept. 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.

Signature

5-6-2013
Date

103-02698

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 Gyro, CBL, and MWD-Gamma

**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):

N/A

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand/Shale / 0 / 76 / 76 -- Coal / 76 / 78 / 2 -- Sand/Shale / 78 / 90 / 12 -- Coal / 90 / 95 / 5 -- Sand/Shale / 95 / 109 / 14 -- Coal / 109 / 115 / 6 --

Sand/Shale / 115 / 124 / 9 -- Coal / 124 / 130 / 6 -- Sand/Shale / 130 / 133 / 3 -- Coal / 133 / 145 / 12 -- Sand/Shale / 145 / 160 / 15 -- Coal / 160 / 167 / 7 --

Sand/Shale / 167 / 177 / 10 -- Coal / 177 / 188 / 11 -- Sand/Shale / 188 / 191 / 3 -- Coal / 191 / 196 / 5 -- Sand/Shale / 196 / 220 / 24 -- Coal / 220 / 226 / 6 --

Sand/Shale / 226 / 254 / 28 -- Coal / 254 / 257 / 3 -- Sand/Shale -- 257 / 1,154 / 897 -- Coal / 1,154 / 1,166 / 12 -- Sand/Shale / 1,166 / 1,658 / 492

Coal / 1,658 / 1,670 / 12 -- Sand/Shale / 1,670 / 2,305 / 635 --Maxton / 2,305 / 2,523 / 218 -- Big Lime / 2523 / 2650 / 127 -- BIG INJUN / 2,650 / 2,795 / 145 --

Weir / 2,795 / 2994 / 199 -- GANTZ / 2,994 / 3,114 / 120 -- 50F / 3,114 / 3,190 / 76 --

30F / 3,190/ 3,242/ 52 -- GORDON / 3,242 / 3,324/ 82 --

4TH / 3,324/ 3,450 / 126 -- BAYARD / 3,450 / 3,902 / 452 --

WARREN / 3,902 / 4,053/ 151 -- SPEECHLEY / 4,053 / 4,898 / 845 --

RILEY / 4,898/ 5,566/ 668 -- BENSON / 5,566 / 5,882/ 316 --

ALEXANDER / 5,882 / 7,034 / 1,151 -- SONYEA / 7,034 / 7,202 / 168 --

MIDDLESEX / 7,202 / 7,242 / 40 -- GENESSEE / 7,242 / 7,325 / 83

GENESEO / 7,325 / 7,350 / 25 -- TULLY / 7,350 / 7,376 / 26 --

HAMILTON / 7,376 / 7,456 / 80 -- Marcellus blk shale / 7,456 / 7461 / 5 --

PURCELL / 7,461/ 7486 / 25 -- CHERRY VALLEY / 7,486

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MAY 10 2013

Office of Oil and Gas
W.V. Department of Environmental Protection

103-02698

| 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 |
|---|---|---|---|---|---|
| 11/3/2012 | 13842 - 14083 | | 7,785.00 | 8,457.00 | 5 Min: 3450 |
| | | | | | 10 Min: 3343 |
| | | | | | 15 Min: 3290 |

| Avg Rate | Max Press PSI | ISIP | Frac Gradient |
|---|---|---|---|
| 91.50 | 8,770.00 | 4,121.00 | 0.98 |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 381,878.00 | 11,149.00 | | 2,000.00 |

| Stage | Formation | Frac Type |
|---|---|---|
| 2 | MARCELLUS | Slickwater |

| Date | From / To | # of perfs | BD Press | ATP Psi | SIP Detail |
|---|---|---|---|---|---|
| 11/3/2012 | 13541 - 13783 | | 9,709.00 | 8,358.00 | 5 Min: |
| | | | | | 10 Min: |
| | | | | | 15 Min: |

| Avg Rate | Max Press PSI | ISIP | Frac Gradient |
|---|---|---|---|
| 83.50 | 9,734.00 | 0.00 | 0 |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 402,708.00 | 9,839.00 | | 750.00 |

| Stage | Formation | Frac Type |
|---|---|---|
| 3 | MARCELLUS | Slickwater |

| Date | From / To | # of perfs | BD Press | ATP Psi | SIP Detail |
|---|---|---|---|---|---|
| 11/16/2012 | 13241 - 13483 | | 6,800.00 | 8,396.00 | 5 Min: 3546 |
| | | | | | 10 Min: 3410 |
| | | | | | 15 Min: 3351 |

| Avg Rate | Max Press PSI | ISIP | Frac Gradient |
|---|---|---|---|
| 88.50 | 8,829.00 | 4,101.00 | 0.98 |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 399,440.00 | 10,008.00 | | 750.00 |

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WV Dept. of Environmental Protection

103-02698

| 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** |
| 11/16/2012 | 12941 - 13483 | | 8,387.00 | 8,486.00 | 5 Min: 3621 |
| | | | | | 10 Min: 3539 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3496 |
| 89.50 | 8,771.00 | 4,205.00 | 0.99 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,585.00 | 10,170.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 5 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/17/2012 | 12641 - 12883 | | 7,642.00 | 8,404.00 | 5 Min: 3603 |
| | | | | | 10 Min: 3546 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3512 |
| 88.70 | 8,799.00 | 4,120.00 | 0.98 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,006.00 | 9,787.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 6 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/17/2012 | 12341 - 12583 | | 7,493.00 | 8,485.00 | 5 Min: 3680 |
| | | | | | 10 Min: 3598 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3555 |
| 90.00 | 8,826.00 | 4,182.00 | 0.99 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,479.00 | 9,837.00 | | 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** |
| 11/17/2012 | 12041 - 12283 | | 7,934.00 | 8,663.00 | 5 Min: 0 |
| | | | | | 10 Min: 0 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 0 |
| 89.20 | 9,367.00 | 0.00 | 0 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 336,695.00 | 11,045.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 8 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/18/2012 | 11741 - 11983 | | 7,359.00 | 8,295.00 | 5 Min: 3779 |
| | | | | | 10 Min: 3650 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3597 |
| 95.70 | 8,941.00 | 4,523.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,352.00 | 9,756.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/18/2012 | 11441 - 11683 | | 7,484.00 | 8,328.00 | 5 Min: 3700 |
| | | | | | 10 Min: 3623 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3576 |
| 98.30 | 8,790.00 | 4,033.00 | 0.97 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 398,536.00 | 9,645.00 | | 750.00 | | |

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MAY 10 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

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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** |
| 11/18/2012 | 11141 - 11383 | | 6,874.00 | 8,424.00 | 5 Min: 4544 |
| | | | | | 10 Min: 4106 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3905 |
| 98.90 | 9,173.00 | 5,809.00 | 1.06 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,223.00 | 12,730.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 11 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/19/2012 | 10841 - 11083 | | 6,753.00 | 8,081.00 | 5 Min: 4201 |
| | | | | | 10 Min: 3912 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3774 |
| 100.10 | 8,558.00 | 4,858.00 | 1.08 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 401,126.00 | 9,694.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 12 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/19/2012 | 10541 - 10783 | | 5,809.00 | 8,013.00 | 5 Min: 3627 |
| | | | | | 10 Min: 3518 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3455 |
| 64.90 | 8,958.00 | 4,210.00 | 1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,541.00 | 10,015.00 | | 750.00 | | |

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Office of Oil and Gas
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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** |
| 11/19/2012 | 10241 - 10483 | | 6,225.00 | 8,592.00 | 5 Min: 3809 |
| | | | | | 10 Min: 3704 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3649 |
| 78.10 | 9,234.00 | 4,530.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,680.00 | 10,635.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 14 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/20/2012 | 9941 - 10183 | | 6,698.00 | 8,017.00 | 5 Min: 3805 |
| | | | | | 10 Min: 3740 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3704 |
| 84.20 | 9,181.00 | 4,349.00 | 1.02 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,696.00 | 11,008.00 | | 750.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 15 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/20/2012 | 9641 - 9883 | | 7,755.00 | 8,133.00 | 5 Min: 3734 |
| | | | | | 10 Min: 3662 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3632 |
| 80.60 | 8,650.00 | 4,217.00 | 1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 403,317.00 | 9,098.00 | | 750.00 | | |

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Office of Oil and Gas
WV Dept. of Environmental Protection

103-02698

| 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** |
| 11/20/2012 | 9341 - 9583 | | 6,013.00 | 8,229.00 | 5 Min: 3745 |
| | | | | | 10 Min: 3691 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3659 |
| 88.00 | 9,009.00 | 4,339.00 | 1.01 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,867.00 | 9,374.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 17 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/20/2012 | 9041 - 9283 | | 6,048.00 | 8,249.00 | 5 Min: 3809 |
| | | | | | 10 Min: 3698 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3628 |
| 92.60 | 9,257.00 | 4,685.00 | 1.06 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 366,747.00 | 10,006.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 18 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/20/2012 | 8741 - 8983 | | 6,117.00 | 8,053.00 | 5 Min: 3712 |
| | | | | | 10 Min: 3543 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3535 |
| 99.10 | 8,709.00 | 4,216.00 | 1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,700.00 | 9,614.00 | | 750.00 | | |

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MAY 10 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

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| 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** |
| 11/21/2012 | 8441 - 8683 | | 6,735.00 | 8,029.00 | 5 Min: 3655 |
| | | | | | 10 Min: 3558 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3506 |
| 96.60 | 8,865.00 | 4,608.00 | 1.05 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 398,672.00 | 9,620.00 | | 750.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 20 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/21/2012 | 8141 - 8383 | | 6,186.00 | 8,312.00 | 5 Min: 4297 |
| | | | | | 10 Min: 3947 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3780 |
| 97.10 | 8,833.00 | 4,675.00 | 1.06 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 412,775.00 | 9,843.00 | | 750.00 | | |

Received

MAY 10 2013

Office of Oil and Gas

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: 3/11/2013
API #: 47-091-01234
REVISED

Farm name: Charles H. Cather et al  Operator Well No.: 513057

LOCATION: Elevation: 1,191'  Quadrangle: Rosemont

District: Flemington  County: Taylor, WV
Latitude: 15,130 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,880 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 40 | 40 | 80 |
| Agent: Cecil Ray | 13 3/8 | 1,070 | 1,070 | 1,005 |
| Inspector: Bryan Harris | 9 5/8 | 2,842 | 2,842 | 1,098 |
| Date Permit Issued: 8/23/2011 | 5 1/2 | 11,350 | 11,350 | 1,323 |
| Date Well Work Commenced: 6/9/2011 | | | | |
| Date Well Work Completed: 11/10/2011 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,644' TVD (Plugged back to 6,061' TVD) | *Note: Well was side tracked | TVD (ft): 7,690' | *Well was drilled down dip. | |
| Total Measured Depth (ft): 11,351' | | | | |
| Fresh Water Depth (ft.): 55', 330' | | | | |
| Salt Water Depth (ft.): No visible show. | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 330', 524', 605' | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,502-7,690
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 2,978 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 2,921 psig (surface pressure) after 794 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.

Signature  3/11/2013
Date

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 Yes, Gyro and MWD Gamma Logs

**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): 1)Pumped solid cement plug from 8192,'MD to 7,898'MD.

2)Pumped solid cement plug from 6,479'MD to 6,069'MD.

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand/Shale / 0 / 330 / 330 -- Coal / 330 / 337 / 7 -- Red Rock / 337 / 524 / 187 --

Coal / 524 / 530 / 6 -- Sand/Shale / 530 / 605 / 75 -- Coal / 605 /610 / 5 -- Sand/Shale / 610 / 1,120 / 510

Sandstone / 1,120 / 1,320 / 200 -- Big Lime / 1,320 / 1,424/ 104 -- Big Injun / 1,424 / 1,577 / 152

Weir Sand / 1,577 / 1,810 / 232 -- Gantz / 1,810 / 1,879 / 69 -- Fifty Foot / 1,879 / 1,949 / 70

Thirty Foot / 1,949 / 2,008 / 58 --Gordon / 2,008 / 2,128 / 119 -- -Fourth Sand / 2,128 / 2,343 / 215

Fifth Sand / 2,343 / 2,371 / 27 -- Bayard / 2,371 / 2,783 / 411 -- B-5 / 2,783 / 3,001 / 218

Speechley / 3,001 / 3,332 / 331 -- Bradford / 3,332 / 3,522 / 189 -- Balltown B / 3,522 / 3,717 / 194 -- Riley / 3,717 / 4,346/ 628

Benson / 4,346 / 4,704 / 358 -- Elk / 4,704 / 6,572 / 1,868 -- Sonyea / 6,572 / 6,901 / 328

Middlesex / 6,901 / 7,157 / 255 --Genesee / 7,157 / 7,296 / 139 -- Geneseo / 7,296 / 7,316 / 20

Tully / 7,316 / 7,369 / 53 -- Hamilton / 7,369 / 7,502 / 132 -- Marcellus / 7,502 / 7,680 / 178

Onondaga / 7,680 / 7,690 / 10 --

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| EQT WR-35 | Completion | Attachment | Well 513057 | Treatment | Summary |
|---|---|---|---|---|---|
| **Stage** | **Formation** | **Frac Type** | | | |
| 1 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2011 | 11088 - 11330 | | 6,395.00 | 8,444.00 | 5 Min: 3703 |
| | | | | | 10 Min: 3486 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3359 |
| 86.60 | 9,070.00 | 5,112.00 | 1.1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 356,570.00 | 11,128.00 | | 2,000.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 2 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2011 | 10788 - 11030 | | 6,562.00 | 7,704.00 | 5 Min: 4949 |
| | | | | | 10 Min: 4700 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4515 |
| 100.10 | 8,277.00 | 5,634.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 396,452.00 | 10,050.00 | | 2,000.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 3 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/8/2011 | 10488 - 10730 | | 6,802.00 | 7,413.00 | 5 Min: 5164 |
| | | | | | 10 Min: 4914 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4724 |
| 95.30 | 8,926.00 | 5,497.00 | 1.15 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 405,046.00 | 10,232.00 | | 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** |
| 11/8/2011 | 10188 - 10430 | | 7,118.00 | 7,653.00 | 5 Min: 5219<br>10 Min: 4964<br>15 Min: 4802 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.40 | 8,268.00 | 5,733.00 | 1.18 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,055.00 | 9,912.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 5 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/8/2011 | 9880 - 10128 | | 6,764.00 | 7,755.00 | 5 Min: 5320<br>10 Min: 5068<br>15 Min: 4906 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 97.20 | 8,536.00 | 5,886.00 | 1.2 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 397,877.00 | 11,184.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 6 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/9/2011 | 9588 - 9830 | | 6,564.00 | 7,439.00 | 5 Min: 5194<br>10 Min: 5021<br>15 Min: 4886 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.40 | 8,335.00 | 5,606.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,098.00 | 10,036.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 7 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/9/2011 | 9288 - 9530 | | 7,021.00 | 7,452.00 | 5 Min: 4242<br>10 Min: 4060<br>15 Min: 4024 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 100.10 | 8,393.00 | 4,643.00 | 1.04 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 378,112.00 | 9,748.00 | | 2,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 8 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/9/2011 | 8988 - 9238 | | 6,767.00 | 7,480.00 | 5 Min: 4790 |
| | | | | | 10 Min: 4499 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4338 |
| 99.90 | 7,732.00 | 5,626.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 405,455.00 | 9,959.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/9/2011 | #Error | | 6,452.00 | 7,434.00 | 5 Min: 5157 |
| | | | | | 10 Min: 4879 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4702 |
| 100.10 | 8,228.00 | 5,453.00 | 1.15 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 409,067.00 | 9,997.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 10 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2011 | 8388 - 8630 | | 6,573.00 | 7,112.00 | 5 Min: 4934 |
| | | | | | 10 Min: 4564 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4315 |
| 99.80 | 8,984.00 | 5,588.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,575.00 | 10,889.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 11 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2011 | 8088 - 8330 | | 7,369.00 | 7,801.00 | 5 Min: 4729 |
| | | | | | 10 Min: 4452 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4281 |
| 98.30 | 8,739.00 | 5,540.00 | 1.16 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,888.00 | 9,579.00 | | 2,000.00 | | |

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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: 3/11/2013
API #: 47-091-01216
REVISED

Farm name: Charles H. Cather et al  Operator Well No.: 513056

LOCATION: Elevation: 1,191'  Quadrangle: Rosemont

District: Flemington  County: Taylor, WV
Latitude: 15,120 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,890 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 40 | 40 | 94.5 |
| Agent: Cecil Ray | 13 3/8 | 1,057 | 1,057 | 888 |
| Inspector: Bryan Harris | 9 5/8 | 2,847 | 2,847 | 1,077 |
| Date Permit Issued: 3/24/2011 | 5 1/2 | 10,368 | 10,368 | 1,118 |
| Date Well Work Commenced: 4/15/2011 | | | | |
| Date Well Work Completed: 11/15/2011 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,722' | | | | |
| Total Measured Depth (ft): 10,376' | | | | |
| Fresh Water Depth (ft.): 55', 330' | | | | |
| Salt Water Depth (ft.): No visible show | | | | |
| Is coal being mined in area (N/Y)? No. | | | | |
| Coal Depths (ft.): 330', 525, 603' | | | | |
| Void(s) encountered (N/Y) Depth(s) No. | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus  Pay zone depth (ft) 7,502-7,710
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 2,782 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure 2,848 psig (surface pressure) after 72 Hours

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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

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  Date 3/11/2013

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 Yes, Gyro and MWD Gamma Logs

**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): N/A

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand/Shale / 0 / 330 / 330 -- Coal / 330 / 337 / 7 -- Red Rock / 337 / 525 / 188 -- Coal / 525 / 532 / 7

Sand/Shale / 532 / 603 / 71 -- Coal / 603 / 607 / 4 -- Sand/Shale / 607 / 1,120 / 513 -- Sandstone / 1,120 / 1,320 / 200

Big Lime / 1,320 / 1,424/ 104 -- Big Injun / 1,424 / 1,577 / 152 -- Weir Sand / 1,577 / 1,810 / 232

Gantz / 1,810 / 1,879 / 69 -- Fifty Foot / 1,879 / 1,949 / 70 -- -Thirty Foot / 1,949 / 2,008 / 58 --

Gordon / 2,008 / 2,128 / 119 -- -Fourth Sand / 2,128 / 2,343 / 215 -- Fifth Sand / 2,343 / 2,371 / 27

Bayard / 2,371 / 2,783 / 411 -- B-5 / 2,783 / 3,001 / 218 -- Speechley / 3,001 / 3,332 / 331

Bradford / 3,332 / 3,522 / 189 -- Balltown B / 3,522 / 3,717 / 194 -- Riley / 3,717 / 4,346/ 628

Benson / 4,346 / 4,704 / 358 -- Elk / 4,704 / 6,572 / 1,868 -- Sonyea / 6,572 / 6,901 / 328

Middlesex / 6,901 / 7,157 / 255 --Genesee / 7,157 / 7,296 / 139 -- Geneseo / 7,296 / 7,316 / 20

Tully / 7,316 / 7,369 / 53 -- Hamilton / 7,369 / 7,502 / 132 -- Marcellus / 7,502 / 7,710 / 208

Onondaga / 7,710 / 7,722 / 12

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| EQT WR-35 | Completion | Attachment | Well 513056 | Treatment | Summary |
|---|---|---|---|---|---|
| **Stage** | **Formation** | **Frac Type** | | | |
| 1 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/10/2011 | 10228 - 10350 | | 6,482.00 | 8,023.00 | 5 Min: 5293 |
| | | | | | 10 Min: 4894 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4762 |
| 97.00 | 9,128.00 | 6,505.00 | 1.28 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 197,522.00 | 7,079.00 | | 2,000.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 2 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/12/2011 | 10078 - 10200 | | 6,357.00 | 7,704.00 | 5 Min: 4102 |
| | | | | | 10 Min: 3802 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3661 |
| 99.20 | 8,519.00 | 5,045.00 | 1.09 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 203,835.00 | 5,360.00 | | 2,000.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 3 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/12/2011 | 9928 - 10050 | | 6,574.00 | 7,970.00 | 5 Min: 3758 |
| | | | | | 10 Min: 3535 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3412 |
| 93.40 | 8,496.00 | 4,892.00 | 1.07 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 200,941.00 | 5,524.00 | | 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** |
| 11/12/2011 | 9778 - 9900 | | 5,871.00 | 7,764.00 | 5 Min: 4618 |
| | | | | | 10 Min: 4226 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3982 |
| 98.60 | 8,600.00 | 5,484.00 | 1.15 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 202,231.00 | 5,258.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 5 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/12/2011 | 9630 - 9750 | | 9,517.00 | 7,607.00 | 5 Min: 4994 |
| | | | | | 10 Min: 4589 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4365 |
| 94.10 | 8,055.00 | 5,699.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 205,823.00 | 5,219.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 6 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/12/2011 | 9478 - 9598 | | 6,377.00 | 7,388.00 | 5 Min: 4938 |
| | | | | | 10 Min: 4694 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4553 |
| 99.40 | 8,080.00 | 5,743.00 | 1.18 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 198,669.00 | 5,164.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 7 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/13/2011 | 9328 - 9450 | | 6,705.00 | 7,659.00 | 5 Min: 5079 |
| | | | | | 10 Min: 4786 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4632 |
| 98.30 | 8,832.00 | 5,609.00 | 1.16 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 198,794.00 | 5,269.00 | | 2,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 8 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/13/2011 | 9178 - 9300 | | 6,604.00 | 7,401.00 | 5 Min: 4930<br>10 Min: 4506<br>15 Min: 4292 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.80 | 7,662.00 | 5,677.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 199,445.00 | 5,136.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/13/2011 | 9028 - 9150 | | 6,984.00 | 7,538.00 | 5 Min: 5121<br>10 Min: 4742<br>15 Min: 4514 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.00 | 8,039.00 | 5,886.00 | 1.2 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 203,935.00 | 5,463.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 10 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/13/2011 | 8878 - 9000 | | 6,086.00 | 7,524.00 | 5 Min: 4611<br>10 Min: 4201<br>15 Min: 3961 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.70 | 7,976.00 | 5,701.00 | 1.18 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 203,679.00 | 5,116.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 11 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/13/2011 | 8728 - 8848 | | 5,937.00 | 6,899.00 | 5 Min: 4869<br>10 Min: 4602<br>15 Min: 4421 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 97.80 | 7,375.00 | 5,638.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 205,036.00 | 5,125.00 | | 2,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 12 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/13/2011 | 8578 - 8714 | | 6,064.00 | 7,077.00 | 5 Min: 4988 |
| | | | | | 10 Min: 4750 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4578 |
| 95.10 | 8,468.00 | 5,626.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 198,364.00 | 5,081.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 13 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/14/2011 | 8428 - 8550 | | 5,945.00 | 7,235.00 | 5 Min: 4779 |
| | | | | | 10 Min: 4441 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4248 |
| 99.96 | 7,953.00 | 5,581.00 | 1.16 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 200,832.00 | 5,113.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 14 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/14/2011 | 8278 - 8400 | | 5,927.00 | 6,876.00 | 5 Min: 4957 |
| | | | | | 10 Min: 4695 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4503 |
| 96.40 | 7,249.00 | 5,501.00 | 1.15 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 205,957.00 | 5,164.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 15 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/14/2011 | 8128 - 8250 | | 6,108.00 | 7,468.00 | 5 Min: 4113 |
| | | | | | 10 Min: 3793 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3614 |
| 98.00 | 8,862.00 | 5,191.00 | 1.11 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 205,236.00 | 5,075.00 | | 2,000.00 | | |

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Dept. of Environmental Protection

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 16 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/14/2011 | 7978 - 8100 | | 6,765.00 | 7,900.00 | 5 Min: 0<br>10 Min: 0<br>15 Min: 0 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 78.10 | 8,872.00 | 0.00 | 0 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 172,144.00 | 5,871.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 17 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/15/2011 | 7828 - 7950 | | 6,889.00 | 7,219.00 | 5 Min: 3837<br>10 Min: 3632<br>15 Min: 3523 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.60 | 8,190.00 | 5,001.00 | 1.1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 202,655.00 | 5,274.00 | | 2,000.00 | | |

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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: 3/11/2013
API #: 47-091-01227
REVISED

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

LOCATION: Elevation: 1,191'  Quadrangle: Rosemont

District: Flemington  County: Taylor, WV
Latitude: 15,110 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,900 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 40 | 40 | 38 |
| Agent: Cecil Ray | 13 3/8 | 1,040 | 1,040 | 912 |
| Inspector: Bryan Harris | 9 5/8 | 2,830 | 2,830 | 1,095 |
| Date Permit Issued: 5/19/2011 | 5 1/2 | 12,147 | 12,147 | 1,426 |
| Date Well Work Commenced: 6/7/2011 | | | | |
| Date Well Work Completed: 1/13/2012 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 6,464 TVD (Plugged back to 2,884' TVD) | *Note: Well was side tracked | TVD(ft): 7,580' | *Note: Well was drilled down dip. | |
| Total Measured Depth (ft): 12,171' | | | | |
| Fresh Water Depth (ft.): 55', 330', | | | | |
| Salt Water Depth (ft.): No visible show | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 332', 523', 602' | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,502' - 7,580'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 3,694 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure 2,752 psig (surface pressure) after 856 Hours

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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

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  Date 3/11/2013

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 Yes, Gyro and MWD Gamma Logs

**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): 1) Pumped solid cement plug from 6,460' to 6,160'.

2) Pumped solid cement plug from 3,104' to 2,884'. *As noted under TVD, well was side-tracked*

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand/Shale / 0 / 332 /332 -- Coal 332 / 335 / 3 -- Red Rock / 335 / 523 / 188 -- Coal / 523 / 527 / 4 /

Sand/Shale / 527 / 602 / 75 -- Coal / 602 / 608 / 6 -- Sand & Shale / 608 / 1,120 / 512 -- Sandstone / 1,120 / 1,320 / 200

Big Lime / 1,320 / 1,424/ 104 -- Big Injun / 1,424 / 1,577 / 152 -- Weir Sand / 1,577 / 1,810 / 232

Gantz / 1,810 / 1,879 / 69 -- Fifty Foot / 1,879 / 1,949 / 70 -- -Thirty Foot / 1,949 / 2,008 / 58 --

Gordon / 2,008 / 2,128 / 119 -- -Fourth Sand / 2,128 / 2,343 / 215 -- Fifth Sand / 2,343 / 2,371 / 27

Bayard / 2,371 / 2,783 / 411 -- B-5 / 2,783 / 3,001 / 218 -- Speechley / 3,001 / 3,332 / 331

Bradford / 3,332 / 3,522 / 189 -- Balltown B / 3,522 / 3,717 / 194 -- Riley / 3,717 / 4,346/ 628

Benson / 4,346 / 4,704 / 358 -- Elk / 4,704 / 6,572 / 1,868 -- Sonyea / 6,572 / 6,901 / 328

Middlesex / 6,901 / 7,157 / 255 --Genesee / 7,157 / 7,296 / 139 -- Geneseo / 7,296 / 7,316 / 20

Tully / 7,316 / 7,369 / 53 -- Hamilton / 7,369 / 7,502 / 132 -- Marcellus / 7,502 / 7,580 / 78

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| EQT WR-35 | Completion | Attachment | Well 513055 | Treatment | Summary |
|---|---|---|---|---|---|
| **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 |
| | | | | | 10 Min: 4268 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4250 |
| 85.50 | 8,856.00 | 5,091.00 | 1.12 | | |
| **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 |
| | | | | | 10 Min: 4311 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4172 |
| 92.70 | 8,958.00 | 5,363.00 | 1.15 | | |
| **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 |
| | | | | | 10 Min: 4585 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4447 |
| 93.30 | 8,780.00 | 5,530.00 | 1.17 | | |
| **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<br>10 Min: 4606<br>15 Min: 4461 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 96.70 | 8,733.00 | 5,524.00 | 1.17 | | |
| **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<br>10 Min: 4628<br>15 Min: 4485 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 94.00 | 8,640.00 | 5,605.00 | 1.18 | | |
| **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<br>10 Min: 4788<br>15 Min: 4581 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 94.40 | 8,570.00 | 5,424.00 | 1.16 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 405,533.00 | 9,436.00 | | 1,000.00 | | |

| 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<br>10 Min: 4512<br>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 | | |

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| 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<br>10 Min: 4749<br>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<br>10 Min: 4648<br>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 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 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<br>10 Min: 4673<br>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 | 9150 - 9390 | | 7,475.00 | 7,759.00 | 5 Min: 5048<br>10 Min: 4673<br>15 Min: 4455 |
| **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** | | |
| 397,469.00 | 9,828.00 | | 1,000.00 | | |

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| 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 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4696 |
| 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 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 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 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4010 |
| 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 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3980 |
| 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 | | |

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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: 2/13/2013
API #: 47-091-01226
Revised

Farm name: Charles H. Cather et al  Operator Well No.: 513054

LOCATION: Elevation: 1,191'  Quadrangle: Rosemont

District: Flemington  County: Taylor, WV
Latitude: 15,100 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,910 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 40 | 40 | 134 |
| Agent: Cecil Ray | 13 3/8 | 1,012 | 1,012 | 954 |
| Inspector: Bryan Harris | 9 5/8 | 2,823 | 2,823 | 1,095 |
| Date Permit Issued: 5/19/2011 | 5 1/2 | 12,023 | 12,023 | 1,420 |
| Date Well Work Commenced: 6/7/2011 | | | | |
| Date Well Work Completed: 11/7/2011 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,600' | | | | |
| Total Measured Depth (ft): 12,037' | | | | |
| Fresh Water Depth (ft.): 78', 330' | | | | |
| Salt Water Depth (ft.): No visible show. | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 335', 524', 604' | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus  Pay zone depth (ft) 7,502-7,600
Gas: Initial open flow ____ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 3,280 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 2,736 psig (surface pressure) after 97 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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MAY 15 2013
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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.

Signature  Date 2/13/2013

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 Yes, Gyro and MWD Gamma Logs

**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): N/A

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand & Shale / 0 / 335 / 335 -- Coal / 335 / 338 / 3 -- Red Rock / 338 / 524 / 186 --

-- Coal / 524/ 530 / 6 -- Sand & Shale / 530 / 604 / 74 -- Coal / 604 / 610 / 6

Sand & Shale / 610 / 1,120 / 510-- Sandstone / 1,120 / 1,320 / 200 -

Big Lime / 1,320 / 1,424 / 104 -- Big Injun / 1,424 / 1,577 / 152 -- Weir Sand / 1,577 / 1,810 / 232

Gantz / 1,810 / 1,879 / 69 -- Fifty Foot / 1,879 / 1,949 / 70 -- -Thirty Foot / 1,949 / 2,008 / 58 --

Gordon / 2,008 / 2,128 / 119 -- -Fourth Sand / 2,128 / 2,343 / 215 --

Fifth Sand / 2,343 / 2,371 / 27 -- -Bayard / 2,371 / 2,783 / 411 -- B-5 / 2,783 / 3,001 / 218 --

Speechley / 3,001 / 3,332 / 331 -- Bradford / 3,332 / 3,522 / 189--Balltown B / 3,522 / 3,717 / 194

Riley / 3,717 / 4,346/ 628 -- Benson / 4,346 / 4,704 / 358 -- Elk / 4,704 / 6,572 / 1,868

Sonyea / 6,572 / 6,901 / 328 -- Middlesex / 6,901 / 7,157 / 255 --Genesee / 7,157 / 7,296 / 139

Geneseo / 7,296 / 7,316 / 20 -- Tully / 7,316 / 7,369 / 53 -- Hamilton / 7,369 / 7,502 / 132

Marcellus / 7,502 / 7,600 / 98

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| EQT WR-35 | Completion | Attachment | Well 513054 | Treatment | Summary |
|---|---|---|---|---|---|
| **Stage** 1 | **Formation** MARCELLUS | **Frac Type** Slickwater | | | |
| **Date** 8/26/2011 | **From / To** 11717 - 11959 | **# of perfs** | **BD Press** 6,551.00 | **ATP Psi** 7,840.00 | **SIP Detail** 5 Min: 5116 10 Min: 4464 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4431 |
| 93.00 | 8,692.00 | 6,103.00 | 1.25 | | |
| **Sand Proppant** 401,200.00 | **Water-bbl** 11,233.00 | **SCF N2** | **Acid-Gal** 2,000.00 | | |
| **Stage** 2 | **Formation** MARCELLUS | **Frac Type** Slickwater | | | |
| **Date** 8/27/2011 | **From / To** 11417 - 11659 | **# of perfs** | **BD Press** 8,313.00 | **ATP Psi** 8,246.00 | **SIP Detail** 5 Min: 4535 10 Min: 4297 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4169 |
| 90.51 | 9,206.00 | 5,346.00 | 1.15 | | |
| **Sand Proppant** 399,063.00 | **Water-bbl** 10,649.00 | **SCF N2** | **Acid-Gal** 2,000.00 | | |
| **Stage** 3 | **Formation** MARCELLUS | **Frac Type** Slickwater | | | |
| **Date** 8/27/2011 | **From / To** 11117 - 11359 | **# of perfs** | **BD Press** 8,213.00 | **ATP Psi** 8,012.00 | **SIP Detail** 5 Min: 4424 10 Min: 4142 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3944 |
| 97.15 | 9,166.00 | 5,853.00 | 1.22 | | |
| **Sand Proppant** 398,531.00 | **Water-bbl** 10,193.00 | **SCF N2** | **Acid-Gal** 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** |
| 8/27/2011 | 10817 - 11059 | | 7,383.00 | 8,098.00 | 5 Min: 4896<br>10 Min: 4523 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4311 |
| 94.00 | 8,871.00 | 6,060.00 | 1.24 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 393,777.00 | 10,132.00 | | 2,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 5 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 8/27/2011 | 10517 - 10759 | | 7,385.00 | 7,979.00 | 5 Min: 5070<br>10 Min: 4603 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4361 |
| 96.00 | 8,871.00 | 5,511.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 400,670.00 | 9,992.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 6 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 8/28/2011 | 10217 - 10459 | | 7,930.00 | 7,955.00 | 5 Min: 4581<br>10 Min: 4314 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4175 |
| 97.90 | 9,027.00 | 5,325.00 | 1.14 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 401,730.00 | 10,115.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 7 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/5/2011 | 9917 - 10159 | | 7,841.00 | 7,722.00 | 5 Min: 5408<br>10 Min: 5122 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4906 |
| 99.60 | 8,323.00 | 5,808.00 | 1.2 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,591.00 | 10,068.00 | | 2,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 8 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2011 | 9617 - 9859 | | 7,839.00 | 7,860.00 | 5 Min: 5485<br>10 Min: 5147 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4884 |
| 100.90 | 9,335.00 | 5,938.00 | 1.22 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 410,001.00 | 10,829.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2011 | 9317 - 9559 | | 6,353.00 | 7,315.00 | 5 Min: 5444<br>10 Min: 4988 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4719 |
| 104.00 | 7,689.00 | 6,088.00 | 1.24 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 407,707.00 | 10,338.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 10 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2011 | 9017 - 9259 | | 7,319.00 | 7,589.00 | 5 Min:<br>10 Min: |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: |
| 101.00 | 8,880.00 | 5,862.00 | 1.21 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 398,520.00 | 9,966.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 11 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2011 | 8717 - 8988 | | 6,517.00 | 7,607.00 | 5 Min: 3920<br>10 Min: 3724 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3572 |
| 100.50 | 7,998.00 | 4,390.00 | 1.01 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,949.00 | 9,850.00 | | 2,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 12 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/6/2011 | 8419 - 8657 | | 6,156.00 | 7,898.00 | 5 Min: 0 |
| | | | | | 10 Min: 0 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 0 |
| 97.80 | 9,744.00 | 7,650.00 | 0 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 365,608.00 | 9,473.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 13 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2011 | 8117 - 8359 | | 5,980.00 | 7,806.00 | 5 Min: 3754 |
| | | | | | 10 Min: 3543 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3389 |
| 100.00 | 8,826.00 | 4,675.00 | 1.05 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,450.00 | 10,583.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 14 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 11/7/2011 | 7817 - 8059 | | 5,868.00 | 7,998.00 | 5 Min: 3538 |
| | | | | | 10 Min: 3338 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3200 |
| 91.70 | 9,112.00 | 4,316.00 | 1.06 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,535.00 | 11,514.00 | | 2,000.00 | | |

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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: 3/11//2013
API #: 47-091-01225
Revised

Farm name: Charles H. Cather et al  Operator Well No.: 513052

LOCATION: Elevation: 1,191'  Quadrangle: Rosemont

District: Flemington  County: Taylor, WV
Latitude: 15,070 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,930 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 40 | 40 | 38 |
| Agent: Cecil Ray | 13 3/8 | 1,040 | 1,040 | 910 |
| Inspector: Bryan Harris | 9 5/8 | 2,830 | 2,830 | 1,130 |
| Date Permit Issued: 5/5/2011 | 5 1/2 | 11,993 | 11,993 | 1,300 |
| Date Well Work Commenced: 5/24/2011 | | | | |
| Date Well Work Completed: 1/6/2012 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,600' | | | | |
| Total Measured Depth (ft): 12,029' | | | | |
| Fresh Water Depth (ft.): 55', 330' | | | | |
| Salt Water Depth (ft.): No visible show | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 331', 523' 604' | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus  Pay zone depth (ft) 7,502-7,600
Gas: Initial open flow ____ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 2,980 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 2,672 psig (surface pressure) after 79 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.

Signature  3/11/2013
Date

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 Yes, Gyro and MWD-Gamma Logs

**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): N/A

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand & Shale / 0 / 331 / 331 -- Coal / 331 / 336 / 5 -- Red Rock / 336 / 523 /114 -- Coal / 523 / 529 / 6 --

Sand & Shale / 529 / 604 / 75 -- Coal / 604 / 610 / 6 -- Sandstone / 610 / 700 / 90 --

Sand & Shale / 700 / 1320 / 620 -- Big Lime / 1,320 / 1,424/ 104 -- Big Injun / 1,424 / 1,577 / 152

Weir Sand / 1,577/ 1,810 / 232 -- Gantz / 1,810 / 1,879 / 69 ---Fifty Foot / 1,879 / 1,949 / 70

Thirty Foot / 1,949 / 2,008 / 58 -- -Gordon / 2,008 / 2,128 / 119 -- -Fourth Sand / 2,128 / 2,343 / 215

-Fifth Sand / 2,343 / 2,371 / 27 -- -Bayard / 2,371 / 2,783 / 411 --

-B-5 / 2,783 / 3,001 / 218 -- -Speechley / 3,001 / 3,332 / 331 -- -Bradford / 3,332 / 3,522 / 189 --

Balltown B / 3,522 / 3,717 / 194 -- -Riley / 3,717 / 4,346 / 628 -- -Benson / 4,346 / 4,704 / 358 --

Elk / 4,704 / 6,572 / 1,868 -- Sonyea / 6,572 / 6,901 / 328 -- Middlesex / 6,901 / 7,157 / 255 --

Genesee / 7,157 / 7,296 / 139 -- Geneseo / 7,296 / 7,316 / 20 -- Tully / 7,316 / 7,369 / 53 --

Hamilton / 7,369 / 7,502/ 132 -- Marcellus / 7,502 / 7,600 / 98

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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** |
| 8/29/2011 | 11647 - 11889 | | 7,752.00 | 8,282.00 | 5 Min: 4307 |
| | | | | | 10 Min: 4145 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4045 |
| 85.30 | 9,089.00 | 5,212.00 | 1.13 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 467,530.00 | 10,959.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 2 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 8/29/2011 | 11347 - 11589 | | 8,560.00 | 8,146.00 | 5 Min: 5687 |
| | | | | | 10 Min: 5173 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4843 |
| 96.80 | 9,221.00 | 6,416.00 | 1.29 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 435,700.00 | 10,780.00 | | 2,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 3 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 12/29/2011 | 11047 - 11289 | | 7,365.00 | 7,972.00 | 5 Min: 5138 |
| | | | | | 10 Min: 4713 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4478 |
| 97.40 | 8,685.00 | 6,138.00 | 1.25 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 409,807.00 | 10,006.00 | | 1,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 4 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 12/29/2011 | 10747 - 10989 | | 6,493.00 | 7,843.00 | 5 Min: 4798 |
| | | | | | 10 Min: 4474 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4290 |
| 96.20 | 9,154.00 | 5,531.00 | 1.17 | | |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 373,433.00 | 9,543.00 | | 1,000.00 |

| Stage | Formation | Frac Type |
|---|---|---|
| 5 | MARCELLUS | Slickwater |

| Date | From / To | # of perfs | BD Press | ATP Psi | SIP Detail |
|---|---|---|---|---|---|
| 12/29/2011 | 10447 - 10689 | | 6,749.00 | 7,883.00 | 5 Min: 4941 |
| | | | | | 10 Min: 4667 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4513 |
| 91.50 | 9,120.00 | 5,783.00 | 1.2 | | |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 324,532.00 | 9,175.00 | | 1,000.00 |

| Stage | Formation | Frac Type |
|---|---|---|
| 6 | MARCELLUS | Slickwater |

| Date | From / To | # of perfs | BD Press | ATP Psi | SIP Detail |
|---|---|---|---|---|---|
| 1/2/2012 | 10147 - 10389 | | 6,599.00 | 7,764.00 | 5 Min: 5004 |
| | | | | | 10 Min: 4758 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4604 |
| 82.60 | 8,511.00 | 5,562.00 | 1.17 | | |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 400,678.00 | 10,232.00 | | 1,000.00 |

| Stage | Formation | Frac Type |
|---|---|---|
| 7 | MARCELLUS | Slickwater |

| Date | From / To | # of perfs | BD Press | ATP Psi | SIP Detail |
|---|---|---|---|---|---|
| 1/3/2012 | 9847 - 10089 | | 7,981.00 | 8,132.00 | 5 Min: 5379 |
| | | | | | 10 Min: 5289 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4844 |
| 95.80 | 9,027.00 | 5,985.00 | 1.23 | | |

| Sand Proppant | Water-bbl | SCF N2 | Acid-Gal |
|---|---|---|---|
| 400,903.00 | 11,347.00 | | 1,000.00 |

| Stage | Formation | Frac Type |
|---|---|---|
| 8 | MARCELLUS | Slickwater |

| Date | From / To | # of perfs | BD Press | ATP Psi | SIP Detail |
|---|---|---|---|---|---|
| 1/3/2012 | 9547 - 9789 | | 6,670.00 | 8,037.00 | 5 Min: 5425 |

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| Avg Rate | Max Press PSI | ISIP | Frac Gradient | | |
|---|---|---|---|---|---|
| | | | | | 10 Min: 5185<br>15 Min: 4922 |
| 96.90 | 8,872.00 | 5,636.00 | 1.18 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 397,911.00 | 9,887.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/4/2012 | 9247 - 9489 | | 6,814.00 | 8,172.00 | 5 Min: 5109<br>10 Min: 4774<br>15 Min: 4560 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 98.90 | 8,773.00 | 5,907.00 | 1.22 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,875.00 | 10,380.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 10 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/4/2012 | 8947 - 9189 | | 6,314.00 | 7,938.00 | 5 Min: 5393<br>10 Min: 5117<br>15 Min: 4951 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 96.50 | 8,532.00 | 6,001.00 | 1.23 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,884.00 | 9,985.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 11 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/5/2012 | 8647 - 8889 | | 6,996.00 | 7,784.00 | 5 Min: 5087<br>10 Min: 4776<br>15 Min: 4586 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 100.10 | 8,631.00 | 5,884.00 | 1.21 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 383,231.00 | 9,739.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type |
|---|---|---|

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| | | | | | |
|---|---|---|---|---|---|
| 12 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/5/2012 | 8347 - 8589 | | 7,736.00 | 7,925.00 | 5 Min: 5005<br>10 Min: 4736<br>15 Min: 4566 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 97.80 | 8,426.00 | 5,557.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 404,084.00 | 11,041.00 | | 1,000.00 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Stage** | **Formation** | **Frac Type** | | | |
| 13 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/5/2012 | 8047 - 8289 | | 6,742.00 | 7,392.00 | 5 Min: 5247<br>10 Min: 4900<br>15 Min: 4692 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.40 | 8,469.00 | 5,922.00 | 1.21 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 401,881.00 | 9,937.00 | | 1,000.00 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Stage** | **Formation** | **Frac Type** | | | |
| 14 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/6/2012 | 7747 - 7989 | | 6,098.00 | 7,627.00 | 5 Min: 4703<br>10 Min: 4425<br>15 Min: 4229 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 97.90 | 8,941.00 | 5,717.00 | 1.19 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 381,166.00 | 9,448.00 | | 1,000.00 | | |

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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: 3/11/2013
API #: 47-091-01215
Revised

Farm name: Charles H. Cather et al  Operator Well No.: 513053

LOCATION: Elevation: 1,191'  Quadrangle: Rosemont

District: Flemington  County: Taylor, WV
Latitude: 15,080 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 7,920 Feet West of 80 Deg. 07 Min. 30 Sec.

Company: EQT Production Company

| Address: EQT Plaza, Suite 1700 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|---|---|---|---|---|
| 625 Liberty Avenue, Pittsburgh, PA 15222 | 20 | 40 | 40 | 94.5 |
| Agent: Cecil Ray | 13 3/8 | 717 | 717 | 645 |
| Inspector: Bryan Harris | 9 5/8 | 2,658 | 2,658 | 1,047 |
| Date Permit Issued: 3/24/2011 | 5 1/2 | 10,510 | 10,510 | 1,022 |
| Date Well Work Commenced: 4/15/2011 | | | | |
| Date Well Work Completed: 3/6/2012 | | | | |
| Verbal Plugging: N/A | | | | |
| Date Permission granted on: N/A | | | | |
| Rotary ☑ Cable ☐ Rig ☑ | | | | |
| Total Vertical Depth (ft): 7,797' (Plugged back to 6,749') | | | | |
| Total Measured Depth (ft): 10,520' | | | | |
| Fresh Water Depth (ft.): 330' | | | | |
| Salt Water Depth (ft.): No visible show. | | | | |
| Is coal being mined in area (N/Y)? No | | | | |
| Coal Depths (ft.): 330', 522', 605' | | | | |
| Void(s) encountered (N/Y) Depth(s) No | | | | |

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,502-7,700
Gas: Initial open flow ____ MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 2,301 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure 2,720 psig (surface pressure) after 67 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.

Signature  3/11/2013
Date

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 Yes, Gyro, MWD Gamma, and Open Hole Logs

**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): N/A

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand/Shale / 0 / 330 / 330 -- Coal / 330 / 334 / 4 -- Red Rock / 334 / 522 / 188 --

Coal / 522 / 527 / 5 -- Sand/Shale / 527 / 605 / 78 -- Coal / 605 / 610 / 5

Sand/Shale / 610 / 1,120 / 510 -- Sandstone / 1,120 / 1,320/ 200 -- Big Lime / 1,320 / 1,424 / 104

Big Injun / 1,424 / 1,577 / 152 -- Weir Sand / 1,577 / 1,810 / 232 -- Gantz / 1,810 / 1,879 / 69

Fifty Foot / 1,879 / 1,949 / 70 -- -Thirty Foot / 1,949 / 2,008 / 58 -- Gordon / 2,008 / 2,128 / 119

Fourth Sand / 2,128 / 2,343 / 215 -- Fifth Sand / 2,343 / 2,371 / 27 -- -Bayard / 2,371 / 2,783 / 411

B-5 / 2,783 / 3,001 / 218 -- Speechley / 3,001 / 3,332 / 331 -- Bradford / 3,332 / 3,522 / 189

Balltown B / 3,522 / 3,717 / 194 -- Riley / 3,717 / 4,346/ 628 -- Benson / 4,346 / 4,704 / 358

Elk / 4,704 / 6,572 / 1,868 -- Sonyea / 6,572 / 6,901 / 328 -- Middlesex / 6,901 / 7,157 / 255

Genesee / 7,157 / 7,296 / 139 -- Geneseo / 7,296 / 7,316 / 20 -- Tully / 7,316 / 7,369 / 53

Hamilton / 7,369 / 7,502 / 132 -- Marcellus / 7,502 / 7,700 / 198 -- Onondaga / 7,700 / 7,797 / 97 --

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Office of Oil and Gas
WV Dept. of Environmental Protection

| EQT WR-35 | Completion | Attachment | Well 513053 | Treatment | Summary |
|---|---|---|---|---|---|
| **Stage** | **Formation** | **Frac Type** | | | |
| 1 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/7/2012 | 9922 - 10164 | | 7,193.00 | 8,066.00 | 5 Min: 4320 |
| | | | | | 10 Min: 4029 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 3874 |
| 97.30 | 8,658.00 | 5,577.00 | 1.16 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 403,193.00 | 9,805.00 | | 2,000.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 2 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/7/2012 | 9922 - 10164 | | 6,075.00 | 8,065.00 | 5 Min: 4670 |
| | | | | | 10 Min: 4467 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4281 |
| 98.00 | 8,471.00 | 5,259.00 | 1.12 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,492.00 | 9,770.00 | | 1,000.00 | | |
| **Stage** | **Formation** | **Frac Type** | | | |
| 3 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/7/2012 | 9622 - 9864 | | 6,850.00 | 8,013.00 | 5 Min: 4879 |
| | | | | | 10 Min: 4598 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | 15 Min: 4429 |
| 98.80 | 8,368.00 | 5,433.00 | 1.14 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 402,127.00 | 9,490.00 | | 1,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 4 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/7/2012 | 9322 - 9564 | | 6,337.00 | 7,801.00 | 5 Min: 4826<br>10 Min: 4480<br>15 Min: 4333 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 98.50 | 8,391.00 | 5,641.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 401,850.00 | 10,069.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 5 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/7/2012 | 9022 - 9264 | | 6,797.00 | 7,536.00 | 5 Min: 4760<br>10 Min: 4526<br>15 Min: 4369 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 100.50 | 8,116.00 | 5,401.00 | 1.14 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,565.00 | 9,827.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 6 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/8/2012 | 8722 - 8964 | | 6,059.00 | 7,410.00 | 5 Min: 4999<br>10 Min: 4748<br>15 Min: 4611 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.95 | 8,110.00 | 5,500.00 | 1.15 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 398,658.00 | 9,692.00 | | 1,000.00 | | |

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| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 7 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/8/2012 | 8422 - 8664 | | 6,385.00 | 7,225.00 | 5 Min: 5019<br>10 Min: 4775<br>15 Min: 4620 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 100.40 | 7,909.00 | 5,202.00 | 1.11 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,560.00 | 9,087.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 8 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/8/2012 | 8122 - 8362 | | 6,270.00 | 100.70 | 5 Min: 4847<br>10 Min: 4581<br>15 Min: 4426 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 100.70 | 7,993.00 | 5,643.00 | 1.17 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 397,008.00 | 9,547.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 9 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/8/2012 | 7822 - 8064 | | 6,951.00 | 7,435.00 | 5 Min: 4542<br>10 Min: 4355<br>15 Min: 4289 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 99.60 | 8,598.00 | 5,667.00 | 1.18 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 399,158.00 | 9,805.00 | | 1,000.00 | | |

| Stage | Formation | Frac Type | | | |
|---|---|---|---|---|---|
| 10 | MARCELLUS | Slickwater | | | |
| **Date** | **From / To** | **# of perfs** | **BD Press** | **ATP Psi** | **SIP Detail** |
| 1/9/2012 | 7657 - 7773 | | 7,676.00 | 7,590.00 | 5 Min: 4446<br>10 Min: 4314<br>15 Min: 4244 |
| **Avg Rate** | **Max Press PSI** | **ISIP** | **Frac Gradient** | | |
| 97.30 | 8,628.00 | 5,036.00 | 1.1 | | |
| **Sand Proppant** | **Water-bbl** | **SCF N2** | **Acid-Gal** | | |
| 200,015.00 | 4,973.00 | | 1,000.00 | | |

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