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: 6/20/2012
API #: 47-049-02168

Farm name: Shirley J. Neeley, et al Operator Well No.: 511430

LOCATION: Elevation: 1,137 Quadrangle: Grant Town

District: Paw Paw County: Marion, WV
Latitude: 9,650 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 6,950 Feet West of 80 Deg. 12 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	13
Agent: Cecil Ray	13 3/8	851	851	863
Inspector: Sam Ward	9 5/8	3,059	3,059	1,226
Date Permit Issued: 6/24/2011	5 1/2	11,103	11,103	1,124
Date Well Work Commenced: 8/2/2011				
Date Well Work Completed: 3/22/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 7,664'				
Total Measured Depth (ft): 11,140'				
Fresh Water Depth (ft.): 430'				
Salt Water Depth (ft.): 2,745'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 175', 200', 476'				
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) 7,607
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 9,120 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests 92 Hours
Static rock Pressure 1,912 psig (surface pressure) after 92 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 Date 1/16/2013

49-02168

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 / 175 / 175 -- Coal / 175 / 176 / 1 -- Sand/Shale / 176 / 200 / 24

Coal / 200 / 205 / 5 -- Sand/Shale / 205 / 476 / 271 -- -- Coal / 476 / 481 / 5

Sand/Shale / 481 / 3,255 / 2,774 -- Warren / 3,255 / 4,861 / 1,606 -- Benson / 4,861 / 5,139 / 278

Alexander / 5,139 / 6,971 / 1,832 -- Sonyea / 6,971 / 7,158 / 187 -- Middlesex / 7,158 / 7,247 / 88

Genesee / 7,247 / 7,368 / 120 -- Geneseo / 7,368 / 7,405 / 37 -- Tully / 7,405 / 7,462 / 57

Hamilton / 7,462 / 7,607 / 144 -- Marcellus / 7,607 / 7,664 / 57

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APR 19 2013

49-02168

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage 1	**Formation** MARCELLUS	**Frac Type** Slickwater			
Date 3/17/2012	**From / To** 10 - 10534	**# of perfs**	**BD Press** 6,742.00	**ATP Psi** 8,156.00	**SIP Detail** 5 Min: 4347 10 Min: 4187 15 Min: 4104
Avg Rate 85.10	**Max Press PSI** 8,910.00	**ISIP** 5,180.00	**Frac Gradient** 1.12		
Sand Proppant 360,556.00	**Water-bbl** 11,447.00	**SCF N2**	**Acid-Gal** 2,000.00		
Stage 2	**Formation** MARCELLUS	**Frac Type** Slickwater			
Date 3/17/2012	**From / To** 10534 - 10776	**# of perfs**	**BD Press** 8,670.00	**ATP Psi** 8,139.00	**SIP Detail** 5 Min: 4438 10 Min: 4202 15 Min: 4071
Avg Rate 88.70	**Max Press PSI** 8,878.00	**ISIP** 5,383.00	**Frac Gradient** 1.14		
Sand Proppant 505,392.00	**Water-bbl** 12,430.00	**SCF N2**	**Acid-Gal** 1,000.00		
Stage 3	**Formation** MARCELLUS	**Frac Type** Slickwater			
Date 3/18/2012	**From / To** 10234 - 10476	**# of perfs**	**BD Press** 7,982.00	**ATP Psi** 8,123.00	**SIP Detail** 5 Min: 4494 10 Min: 4355 15 Min: 4275
Avg Rate 97.60	**Max Press PSI** 8,965.00	**ISIP** 5,017.00	**Frac Gradient** 1.09		
Sand Proppant 483,829.00	**Water-bbl** 12,166.00	**SCF N2**	**Acid-Gal** 1,000.00		

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APR 19 2013

49-02168

Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/18/2012	9934 - 10176		8,181.00	7,976.00	5 Min: 4720 10 Min: 4472 15 Min: 4310
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
99.80	8,350.00	5,249.00	1.12		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
511,021.00	12,011.00		1,000.00		

Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/19/2012	9634 - 9876		6,242.00	7,812.00	5 Min: 4685 10 Min: 4471 15 Min: 4344
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
98.40	8,614.00	5,376.00	1.14		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
438,037.00	12,002.00		1,000.00		

Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/20/2012	9034 - 9274		7,759.00	7,819.00	5 Min: 4597 10 Min: 4405 15 Min: 4297
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
99.70	8,569.00	5,242.00	1.12		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
495,674.00	11,948.00		1,000.00		

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APR 19 2013

49-02168

Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/21/2012	9034 - 9276		7,340.00	7,652.00	5 Min: 5084 10 Min: 4757 15 Min: 4548
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
101.00	8,289.00	5,633.00	1.04		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
509,423.00	11,816.00		1,000.00		

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49-02168

Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/21/2012	8734 - 8974		7,183.00	7,731.00	5 Min: 4831 10 Min: 4561 15 Min: 4710
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
97.10	9,084.00	5,557.00	1.16		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
498,180.00	14,221.00		750.00		

Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/22/2012	8434 - 8674		7,231.00	7,449.00	5 Min: 4754 10 Min: 4446 15 Min: 4275
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
97.00	8,525.00	5,570.00	1.16		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
472,730.00	11,703.00		750.00		

Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/22/2012	8134 - 8376		7,162.00	7,334.00	5 Min: 5142 10 Min: 4836 15 Min: 4613
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
99.10	7,740.00	5,839.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
504,184.00	11,845.00		750.00		

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APR 19 2013

49-02168

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/22/2012	7834 - 8076		7,842.00	7,605.00	5 Min: 4477 10 Min: 4260 15 Min: 4129
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		
99.60	8,220.00	5,290.00	1.13		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
456,630.00	11,301.00		750.00		

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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 #: 47-069-00123

Farm name: Glenn Didriksen OHI 1H Operator Well No.: 834868

LOCATION: Elevation: 1,265' Quadrangle: Valley Grove WV.

District: Liberty County: Ohio
Latitude: 3,300' Feet South of 40 Deg. 07 Min. 30 Sec.
Longitude 3,970' Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	100'	100'	Driven
Agent: Eric Gillespie	13 3/8"	695'	695'	109 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2,158'	2,158'	971 Cu. Ft.
Date Permit Issued: 6-4-2012	5 1/2"	10,375'	10,375'	1,111 Cu. Ft.
Date Well Work Commenced: 10-19-2012				
Date Well Work Completed: 1-26-2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6,383'				
Total Measured Depth (ft): 10,375'				
Fresh Water Depth (ft.): 186' water well approx. 1200' east				
Salt Water Depth (ft.): 1100'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 653'				
Void(s) encountered (N/Y) Depth(s) Y 630-670'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,796-10,232
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 3,367* MCF/d Final open flow 322 Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure 4,113* psig (surface pressure) after 96 Hours *Calculated

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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W. Department of
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams 3-18-2013
Signature Date

69-123

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes_____ No X_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR MWD from 5,509'-10,330' MD

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):

Formations Encountered: Top Depth / Bottom Depth
Surface:

See attachment.

69-123

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834868 GlennDidriksen OHI 1H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
1/20/2013	9,809	10,232	1/21/2013	9,809	10,232	Slk wtr	11,799	Sand	696,782	79.8
1/21/2013	9,521	9,755	1/21/2013	9,521	9,755	Slk wtr	11,202	Sand	698,880	79.8
1/21/2013	9,288	9,482	1/21/2013	9,288	9,482	Slk wtr	12,788	Sand	702,140	80
1/22/2013	8,976	9,210	1/22/2013	8,976	9,210	Slk wtr	11,794	Sand	700,240	79.7
1/22/2013	8,704	8,937	1/23/2013	8,704	8,937	Slk wtr	11,723	Sand	702,604	79.5
1/23/2013	8,435	8,665	1/23/2013	8,435	8,665	Slk wtr	12,973	Sand	700,120	79.5
1/23/2013	8,159	8,396	1/24/2013	8,159	8,396	Slk wtr	11,856	Sand	697,500	80.1
1/24/2013	7,886	8,120	1/24/2013	7,886	8,120	Slk wtr	11,885	Sand	697,500	79.8
1/25/2013	7,618	7,847	1/25/2013	7,618	7,847	Slk wtr	12,251	Sand	700,440	79
1/25/2013	7,341	7,579	1/26/2013	7,341	7,579	Slk wtr	11,921	Sand	686,216	79.9
1/26/2013	7,068	7,302	1/26/2013	7,068	7,302	Slk wtr	11,662	Sand	702,620	80.1
1/26/2013	6,796	7,029	1/26/2013	6,796	7,029	Slk wtr	11,668	Sand	699,000	77.6

69-123

LATERAL SIDETRACK WELLBORE **(no vertical pilot hole associated with this well)**

Maximum TVD of wellbore: 6,383 ft TVD @ 7,218 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS/SILT	0	0	630	630
NO RETURNS (DUE TO COAL VOID)	630	630	653	653
PITTSBURGH COAL (VOID)	653	653	670	670
NO RETURNS (DUE TO COAL VOID)	670	670	702	702
LS/SS/SILT	702	702	1060	1060
SH	1060	1060	1110	1110
SS	1110	1110	1236	1236
SS/SH	1236	1236	1540	1540
LS/SS	1540	1540	1590	1590
SS	1590	1590	1646	1646
SH/SS/LS	1646	1646	1684	1684
LS/SH	1684	1684	1752	1752
BIG INJUN	1752	1752	2031	2031
SHALE	2031	2031	2279	2279
SS/SH	2279	2279	2430	2430
SH	2430	2430	2970	2970
SS/SH	2970	2970	3030	3030
SH	3030	3030	3270	3270
SS/SH	3270	3270	3330	3330
SH	3330	3330	6260	6111
MIDDLESEX	6260	6111	6435	6181
GENESEO (SH)	6435	6181	6478	6207
TULLY (LS)	6478	6207	6576	6249
HAMILTON	6576	6249	6884	6341
MARCELLUS (SH)	6884	6341		
TD OF LATERAL			10375	6314

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: 1/16/2013
API #: 47-091-01191

Farm name: Robert & Shirley Turoczy Operator Well No.: 511492

LOCATION: Elevation: 1,420 Quadrangle: Rosemont

District: Booths Creek County: Taylor, WV
Latitude: 6,250 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 10,700 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	53
Agent: Cecil Ray	13 3/8	937	937	1,075
Inspector: Bryan Harris	9 5/8	2,481	2,481	934
Date Permit Issued: 7/16/2010	5 1/2	11,902	11,902	1,028
Date Well Work Commenced: 9/29/2010				
Date Well Work Completed: 4/5/2012				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 7,698'				
Total Measured Depth (ft): 11,901'				
Fresh Water Depth (ft.): 139', 234'				
Salt Water Depth (ft.): 1,800'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 352', 462', 527'				
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) 7,405
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 5,664 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests 96 Hours
Static rock Pressure 1,160 psig (surface pressure) after 96 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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APR 19 2013

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 1/16/2013

91-01191

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 / 352 / 352 -- Coal / 352 / 353 / 1 -- Sand & Shale / 353 / 462 / 109

Coal / 462 / 464 / 2 -- Sand & Shale / 464 / 527 / 63 / -- Coal / 527 / 530 / 3 --

Sand & Shale / 530 / 1,334 / 804 -- Limestone / 1,334 / 1,423 / 89 -- Sand/Shale / 1,423 / 2,845 / 1,422

B-5 / 2,845 / 3,076 / 231 -- Speechley / 3,076 / 3,410 / 333 -- Bradford / 3,410 / 3,581 / 171

Balltown B / 3,581 / 3,790 / 208 -- Riley / 3,790 / 4,427 / 636 -- Benson / 4,427 / 6,644 / 2,216

Sonyea / 6,644 / 6,951 / 306 -- Middlesex / 6,951 / 7,065 / 114 -- Genesee / 7,065 / 7,169 / 104

Geneseo / 7,169 / 7,214 / 44 -- Tully / 7,214 / 7,274 / 60 -- Hamilton / 7,274 / 7,405 / 131 -- Marcellus / 7,405 / 7,698 / 293

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Office of Oil & Gas

APR 19 2013

511492

91-01191

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**
4/1/2012	11639 - 11881		6,402.00	8,296.00	5 Min: 4904
					10 Min: 4645
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4465
83.30	9,176.00	5,496.00	1.15		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
342,167.00	9,952.00		2,000.00		
Stage	**Formation**	**Frac Type**			
2	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/2/2012	11339 - 11581		6,121.00	8,440.00	5 Min: 5026
					10 Min: 4678
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4459
91.00	8,952.00	5,938.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
410,573.00	10,170.00		1,000.00		
Stage	**Formation**	**Frac Type**			
3	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/2/2012	11039 - 11281		5,773.00	8,312.00	5 Min: 5207
					10 Min: 4993
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4839
96.10	9,020.00	6,043.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
400,367.00	10,079.00		1,000.00		

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Office of Oil & Gas

APR 19 2013

91-01191

Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/2/2012	10739 - 10981		5,896.00	8,073.00	5 Min: 5616
					10 Min: 5437
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5323
96.60	8,943.00	6,002.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
399,230.00	10,077.00		750.00		

Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/3/2012	10439 - 10681		6,279.00	8,238.00	5 Min: 5697
					10 Min: 5328
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5058
95.70	8,823.00	6,521.00	1.29		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
380,678.00	9,826.00		750.00		

Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/3/2012	10139 - 10381		6,621.00	8,200.00	5 Min: 5378
					10 Min: 5082
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4890
100.50	8,651.00	6,361.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
412,583.00	9,960.00		750.00		

Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/3/2012	9839 - 10081		6,636.00	8,364.00	5 Min: 5935
					10 Min: 5734
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5587
100.00	8,855.00	6,758.00	1.32		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
407,812.00	9,957.00		750.00		

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Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/3/2012	9539 - 9810		6,494.00	8,143.00	5 Min: 5997
					10 Min: 5715
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5527
99.60	8,855.00	6,340.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
405,017.00	9,867.00		750.00		

Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/4/2012	9239 - 9481		6,517.00	8,258.00	5 Min: 5152
					10 Min: 4897
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4750
100.10	8,706.00	5,730.00	1.19		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
407,766.00	9,994.00		750.00		

Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/4/2012	8939 - 9181		6,228.00	8,131.00	5 Min: 5354
					10 Min: 5091
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4953
100.20	8,519.00	5,869.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
398,222.00	9,847.00		750.00		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/4/2012	8639 - 8881		6,332.00	7,337.00	5 Min: 5703
					10 Min: 5479
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5325
96.30	7,839.00	6,124.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,968.00	9,761.00		750.00		

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Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/5/2012	8339 - 8581		6,439.00	7,909.00	5 Min: 5696
					10 Min: 5391
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5213
100.30	8,944.00	6,332.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,660.00	9,835.00		750.00		

Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/5/2012	8039 - 8281		6,268.00	7,786.00	5 Min: 5803
					10 Min: 5604
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5424
98.10	8,888.00	6,070.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
413,003.00	10,134.00		750.00		

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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: 2/26/2013
API #: 47-103-02802

Farm name: J.R.Shreve Operator Well No.: 510887

LOCATION: Elevation: 924' Quadrangle: Big Run

District: Grant County: Wetzel, WV
Latitude: 39.582142 Feet South of ____ Deg. 39 Min. 34 Sec.
Longitude -80.618849 Feet West of ____ 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"	40'	40	49
Agent: Cecil Ray	13 3/8	370	357	386
Inspector: Derek Haught	9 5/8	2,927	2,914	1,0
Date Permit Issued: 8/16/2012				
Date Well Work Commenced: 10/19/2012				
Date Well Work Completed: 1/26/2013				
Verbal Plugging: Yes				
Date Permission granted on: 1/24/2013				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): ~~7,084'~~ (Plugged back to 6,082')	TD 7108' per log			
Total Measured Depth (ft): 7,084'				
Fresh Water Depth (ft.): 282'				
Salt Water Depth (ft.): 1,900'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 175', 640', 1,153', 1,503'				
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) 6,947'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A-Abandoned MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A-Abandoned psig (surface pressure) after N/A 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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Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Mike Roth
Signature

2/26/2013
Date

103-02802

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 Geophysical

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

N/A Well Abandoned

Plug Back Details Including Plug Type and Depth(s): Pumped cement plug from: 1) 7,070' to 6,082' -- 2) 2,858' to 2,659' -- 3) 2,854' to 2,654'-- 4) 2,847' to 2,647'-- 5) 1,993' to 1,793' -- 6) 1,970 to 1,170' -- 7) 1,170 to 585' -- 8) 585' to Surface

Formations Encountered: Top Depth / Bottom Depth

Surface:

Sand/shale /0/ 178 / 178 -- Coal / 178 / 181 / 3 -- Sand/shale / 181 / 538 / 357 --

Coal / 538 / 540 / 2 -- Sand/Shale / 540 / 643 / 103 -- Coal / 643 / 646 / 3 --

Sand/shale / 646 / 1,153 / 507 -- Coal / 1,153 / 1,155 / 2 -- Sand/shale / 1,155 / 1,503 / 348

Coal / 1,503 / 1,505 / 2 -- Sand/shale / 1,505 / 1,526 / 21 -- Coal / 1,526 / 1,532 / 6

Sand/shale / 1,532 / 1,773 / 241 -- MAXTON / 1,773 / 1,889 / 116 -- BIG LIME / 1,889 / 2,271 / 382

WEIR / 2,271 / 2,445 / 174 -- GANTZ / 2,445 / 2,596 / 151 -- 50F / 2,596 / 2,667 / 71

30F / 2,667 / 2,714 / 47 -- GORDON / 2,714 / 2,801 / 87 -- 4TH / 2,801 / 2,853 / 52

BAYARD / 2,853 / 3,386 / 534 -- WARREN / 3,386 / 3,532 / 146 --SPEECHLEY / 3,532 / 3,900 / 369

BALLTOWN A / 3,900 / 4,354 / 454 -- RILEY / 4,354 / 5,011 / 657 -- BENSON / 5,011 / 5,368 / 357

ALEXANDER / 5,368 / 6,520 / 1,152 -- SONYEA / 6,520 / 6,690 / 170 -- MIDDLESEX / 6,690 / 6,725 / 35

GENESSEE / 6,725/ 6,798 / 72 -- GENESEO / 6,798 / 6,832 / 34 -- TULLY / 6,832 / 6,850 / 18

HAMILTON / 6,850 / 6,947 / 94 -- Marcellus blk shale / 6,947 / 6,992 / 48 -- ONONDAGA / 6,992

WR-35

Date April 11, 2013
API # 47 - 109 - 01811

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Ritter Lumber Operator Well No.: Ritter 319 (216151)

LOCATION: Elevation: 1218' Quadrangle: Baileysville
District: Baileysville County: Wyoming
Latitude: 13,420' feet South of 37° DEG. 37' MIN. 30" SEC.
Longitude: 8,640' feet West of 81° DEG. 37' MIN. 30" SEC.

Company: EQT Production Co
1710 Pennsylvania Ave
Charleston, WV 25302

Agent: Rex C. Ray
Inspector: Ofie Helmick
Permit Issued:
Well Work Commenced: October 18, 1999
Well Work Completed: October 23, 1999
Verbal Plugging:
Permission granted on:
Rotary X Cable
Total Depth (feet) 1,528'
Fresh Water Depths (ft) 68', 165', 655'
Salt Water Depths (ft) none reported
Is coal being mined in area (Y / N) ?
Coal Depths (ft) 25'-27', 220'-224', 818'-822', 842'-846'

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	34'	34'	
9 5/8"	351'	351'	125 sx
7"	1220'	1220'	C.T.S.
4 1/2"		1361	

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OPEN FLOW DATA

Producing Formation Ravencliff Pay Zone Depth (ft) 1362' - 1420'

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

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

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: EQT Production Company

By: Victoria Dugan
Date: Lead man Tech

47-109-01811
Ritter 319

FORMATION	TOP	BOTTOM	REMARKS
Sand		23	
Shale	23	25	
Coal	25	27	
Shale Sand	27	44	
Sandy Shale	44	98	
Sand	98	180	
Sandy Shale	180	220	
Coal	220	224	
White Sand & Shale	224	302	
Salt Sand	302	445	
Sandy Shale	445	458	
Sand	458	497	
Sandy Shale	497	638	
Sand	638	818	
Coal	818	822	
Sand	822	842	
Coal	842	846	
Sand	846	1080	
Shale, Sand RR	1080	1135	
Sand	1135	1186	
Shale	1186	1191	
Sand	1191	1210	
Shale	1210	1360	
Sand	1360	1433	
Big Lime	1433	1500	
Shale	1500	1528	

Frac 11/4/1999
Slick water frac BD Pressure 1436 psi F.G. 1.4 ATP 1984 psi Final ISIP 1323 psi
Avg Rate 20.4 B/M Pumped 14,500 gal 330 gal HCl

WR-35
Rev (5-01)

DATE:
API #: 13-04607

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

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Well Operator's Report of Well Work

Farm name: Mac Bar Heirs Operator Well No.: 4 APR 19 2013

LOCATION: Elevation: 692 Quadrangle: Grantsville

District: Center County: Calhoun
Latitude: ____ Feet South of ____ Deg. ____ Min. ____ Sec.
Longitude ____ Feet West of ____ Deg. ____ Min. ____ Sec.

Company: E.M. & W.E. Smith

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
PO Box 244				
Address: Grantsville, WV 26147				
Agent: Edward M. Smith				
Inspector: Ed Gainer				
Date Permit Issued: May 31, 2006	11 34	300	300'	CTS
Date Well Work Commenced: 6/14/07				
Date Well Work Completed: 7/19/07	8 5/8	1050'	1050'	CTS
Verbal Plugging:				
Date Permission granted on:	4 1/2	as needed	as needed	above
Rotary Cable Rig				shale zone
Total Depth (feet): 5460				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? no				
Coal Depths (ft.): no coal in area				

OPEN FLOW DATA

Producing formation Shale Zones Pay zone depth (ft) see rec sheet
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

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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Signed: Mary L Smith
By: Agent
Date: 10/7/09

Mac Bsrr #4

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Details of Perforated Itervals.

Top	3489	-	4025	20 Shots
2nd	4243	-	4731	20 Shots
1st	5124			20 Shots

Fracturing

1st Brakedown	3017
2nd Brakedown	1788
3rd Brakedown	1407