

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: 2/28/2013
API #: 47-10302700

Farm name: Sharon Scyoc Operator Well No.: 513980

LOCATION: Elevation: 1,474 Quadrangle: Pine Grove

District: Grant County: Wetzel, WV
Latitude: 39.565320 Feet South of _____ Deg. 39 Min. 35 Sec.
Longitude: -80.626376 Feet West of West Deg. 80 Min. 37 Sec.

Company: EQT Production Company

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700 625 Liberty Avenue, Pittsburgh, PA 15222	26	70	70	86.49
Agent: Cecil Ray	13 3/8	850.6	850.6	-
Inspector: Derek Haught	9 5/8	341.1	341.1	-
Date Permit Issued: 10/21/2011	5 1/2	14,780	14,780	850
Date Well Work Commenced: 3/27/2012				
Date Well Work Completed: 6/27/2012				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7,506				
Total Measured Depth (ft): 14,788				
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.): 409, 1111, 1151				
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 _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow *see letter _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure *see letter _____ 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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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 Rust
Signature

2/28/2013
Date

06/21/2013

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

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

Perforated Intervals, Fracturing, or Stimulating:

See Attachment

Plug Back Details Including Plug Type and Depth(s):

N/A

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

Sand & Shale / 0 / 246 / 246 -- Red Rock / 246 / 250 / 4 -- Sand & Shale / 250 / 409 / 159 -- Coal / 409 / 415 / 6 --
 Sand & Shale / 415 / 557 / 142 -- Red Rock / 557 / 565 / 8 -- Sand & Shale / 565 / 765 / 200 -- Red Rock / 765 / 783 / 18 --
 Sand & Shale / 783 / 1054 / 271 -- Red Rock / 1054 / 1062 / 8 -- Sand & Shale / 1062 / 1111 / 49 -- Coal / 1111 / 1115 / 4 --
 Sand & Shale / 1115 / 1151 / 36 -- Coal / 1151 / 1170 / 19 -- Sand & Shale / 1170 / 1367 / 197 -- Red Rock / 1367 / 1394 / 27 --
 Sand & Shale / 1394 / 1454 / 60 -- Red Rock / 1454 / 1465 / 11 -- Sand & Shale / 1465 / 2306 / 841 -- 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 --
 4th / 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 -- Genessee / 7242 / 7326 / 84 --
 Geneseo / 7326 / 7351 / 25 -- Tully / 7351 / 7376 / 25 -- Hamilton / 7376 / 7456 / 80 --
 Marcellus Blk Shale / 7456 / 7506 / 50 -- Onondaga / 7506

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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	
9/6/2012	14599 - 14721		8,395.00	8,658.00	5 Min: 0	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 0	
58.00	9,267.00	4,878.00	1.21		15 Min: 0	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
22,793.00	6,971.00		3,000.00			
Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/6/2012	14428 - 14550		6,221.00	8,007.00	5 Min: 3649	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3412	
93.10	8,638.00	4,642.00	1.05		15 Min: 3303	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
204,380.00	5,756.00		750.00			
Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/7/2012	14278 - 14400		6,956.00	8,073.00	5 Min: 3901	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3571	
91.30	8,474.00	4,996.00	1.1		15 Min: 3309	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
204,020.00	5,543.00		750.00			

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Stage 4	Formation MARCELLUS	Frac Type Slickwater				
Date 9/7/2012	From / To 14128 - 14250	# of perfs	BD Press 6,957.00	ATP Psi 8,206.00	SIP Detail 5 Min: 4779 10 Min: 4306 15 Min: 3992	
Avg Rate 98.80	Max Press PSI 8,484.00	ISIP 5,650.00	Frac Gradient 1.18			
Sand Proppant 200,590.00	Water-bbl 5,448.00	SCF N2	Acid-Gal 750.00			
Stage 6	Formation MARCELLUS	Frac Type Slickwater				
Date 9/7/2012	From / To 13978 - 14100	# of perfs	BD Press 6,266.00	ATP Psi 8,330.00	SIP Detail 5 Min: 4110 10 Min: 3748 15 Min: 3573	
Avg Rate 98.30	Max Press PSI 8,821.00	ISIP 4,900.00	Frac Gradient 1.08			
Sand Proppant 202,560.00	Water-bbl 4,823.00	SCF N2	Acid-Gal 750.00			
Stage 5	Formation MARCELLUS	Frac Type Slickwater				
Date 9/7/2012	From / To 13828 - 13950	# of perfs	BD Press 5,850.00	ATP Psi 8,537.00	SIP Detail 5 Min: 3652 10 Min: 3453 15 Min: 3338	
Avg Rate 96.00	Max Press PSI 8,821.00	ISIP 4,442.00	Frac Gradient 1.02			
Sand Proppant 202,560.00	Water-bbl 5,012.00	SCF N2	Acid-Gal 750.00			
Stage 7	Formation MARCELLUS	Frac Type Slickwater				
Date 9/7/2012	From / To 13678 - 13800	# of perfs	BD Press 6,093.00	ATP Psi 8,119.00	SIP Detail 5 Min: 3562 10 Min: 3283 15 Min: 3275	
Avg Rate 99.50	Max Press PSI 8,630.00	ISIP 4,312.00	Frac Gradient 1.01			
Sand Proppant 201,950.00	Water-bbl 5,642.00	SCF N2	Acid-Gal 750.00			

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Stage 8	Formation MARCELLUS	Frac Type Slickwater				
Date 9/7/2012	From / To 13528 - 13650	# of perfs	BD Press 6,541.00	ATP Psi 8,214.00	SIP Detail 5 Min: 3633 10 Min: 3437 15 Min: 3343	
Avg Rate 96.70	Max Press PSI 8,451.00	ISIP 4,362.00	Frac Gradient 1.01			
Sand Proppant 201,660.00	Water-bbl 5,446.00	SCF N2	Acid-Gal 750.00			
Stage 9	Formation MARCELLUS	Frac Type Slickwater				
Date 9/8/2012	From / To 13378 - 13450	# of perfs	BD Press 6,590.00	ATP Psi 8,392.00	SIP Detail 5 Min: 3833 10 Min: 3615 15 Min: 3493	
Avg Rate 87.80	Max Press PSI 9,048.00	ISIP 4,970.00	Frac Gradient 1.09			
Sand Proppant 200,440.00	Water-bbl 5,623.00	SCF N2	Acid-Gal 750.00			
Stage 12	Formation MARCELLUS	Frac Type Slickwater				
Date 9/8/2012	From / To 13228 - 13350	# of perfs	BD Press 6,023.00	ATP Psi 8,186.00	SIP Detail 5 Min: 3710 10 Min: 3476 15 Min: 3379	
Avg Rate 100.00	Max Press PSI 8,497.00	ISIP 4,545.00	Frac Gradient 1.04			
Sand Proppant 207,730.00	Water-bbl 5,049.00	SCF N2	Acid-Gal 750.00			
Stage 11	Formation MARCELLUS	Frac Type Slickwater				
Date 9/8/2012	From / To 13078 - 13200	# of perfs	BD Press 6,363.00	ATP Psi 8,162.00	SIP Detail 5 Min: 5174 10 Min: 3745 15 Min: 3643	
Avg Rate 98.00	Max Press PSI 10,062.00	ISIP 5,918.00	Frac Gradient 0			
Sand Proppant 207,256.00	Water-bbl 4,899.00	SCF N2	Acid-Gal 750.00			

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Stage 10	Formation MARCELLUS	Frac Type Slickwater				
Date 9/9/2012	From / To 12928 - 13050	# of perfs	BD Press 5,745.00	ATP Psi 8,013.00	SIP Detail 5 Min: 4188 10 Min: 3797 15 Min: 3587	
Avg Rate 99.90	Max Press PSI 8,904.00	ISIP 4,968.00	Frac Gradient 1.09			
Sand Proppant 207,730.00	Water-bbl 5,002.00	SCF N2	Acid-Gal 750.00			
Stage 13	Formation MARCELLUS	Frac Type Slickwater				
Date 9/9/2012	From / To 12778 - 12900	# of perfs	BD Press 5,959.00	ATP Psi 8,098.00	SIP Detail 5 Min: 3973 10 Min: 3696 15 Min: 3547	
Avg Rate 100.90	Max Press PSI 8,660.00	ISIP 5,022.00	Frac Gradient 1.09			
Sand Proppant 209,742.00	Water-bbl 5,607.00	SCF N2	Acid-Gal 750.00			
Stage 14	Formation MARCELLUS	Frac Type Slickwater				
Date 9/10/2012	From / To 12628 - 12750	# of perfs	BD Press 6,233.00	ATP Psi 8,213.00	SIP Detail 5 Min: 4051 10 Min: 3810 15 Min: 3665	
Avg Rate 97.10	Max Press PSI 8,904.00	ISIP 5,041.00	Frac Gradient 1.1			
Sand Proppant 206,449.00	Water-bbl 5,570.00	SCF N2	Acid-Gal 750.00			
Stage 15	Formation MARCELLUS	Frac Type Slickwater				
Date 9/10/2012	From / To 12478 - 12600	# of perfs	BD Press 5,862.00	ATP Psi 8,130.00	SIP Detail 5 Min: 4229 10 Min: 3983 15 Min: 3826	
Avg Rate 87.30	Max Press PSI 9,042.00	ISIP 5,919.00	Frac Gradient 1.22			
Sand Proppant 205,902.00	Water-bbl 5,082.00	SCF N2	Acid-Gal 750.00			

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Stage 16	Formation MARCELLUS	Frac Type Slickwater				
Date 9/11/2012	From / To 12328 - 12450	# of perfs	BD Press 6,030.00	ATP Psi 8,047.00	SIP Detail 5 Min: 3965 10 Min: 3575 15 Min: 3395	
Avg Rate 99.80	Max Press PSI 8,513.00	ISIP 5,135.00	Frac Gradient 1.12			
Sand Proppant 201,660.00	Water-bbl 5,328.00	SCF N2	Acid-Gal 750.00			
Stage 17	Formation MARCELLUS	Frac Type Slickwater				
Date 9/11/2012	From / To 12178 - 12300	# of perfs	BD Press 6,082.00	ATP Psi 7,916.00	SIP Detail 5 Min: 4095 10 Min: 3793 15 Min: 3621	
Avg Rate 98.90	Max Press PSI 8,417.00	ISIP 5,311.00	Frac Gradient 1.14			
Sand Proppant 202,152.00	Water-bbl 4,986.00	SCF N2	Acid-Gal 750.00			
Stage 18	Formation MARCELLUS	Frac Type Slickwater				
Date 9/12/2012	From / To 12028 - 12150	# of perfs	BD Press 6,452.00	ATP Psi 8,055.00	SIP Detail 5 Min: 4391 10 Min: 4002 15 Min: 3796	
Avg Rate 96.10	Max Press PSI 8,571.00	ISIP 5,811.00	Frac Gradient 1.21			
Sand Proppant 203,509.00	Water-bbl 5,196.00	SCF N2	Acid-Gal 750.00			
Stage 19	Formation MARCELLUS	Frac Type Slickwater				
Date 9/12/2012	From / To 11878 - 12000	# of perfs	BD Press 6,328.00	ATP Psi 7,951.00	SIP Detail 5 Min: 4471 10 Min: 4072 15 Min: 3841	
Avg Rate 99.80	Max Press PSI 8,607.00	ISIP 5,400.00	Frac Gradient 1.15			
Sand Proppant 200,815.00	Water-bbl 5,364.00	SCF N2	Acid-Gal 750.00			

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Stage 20	Formation MARCELLUS	Frac Type Slickwater				
Date 9/12/2012	From / To 11728 - 11850	# of perfs	BD Press 6,723.00	ATP Psi 8,023.00	SIP Detail 5 Min: 4167 10 Min: 3787 15 Min: 3576	
Avg Rate 99.88	Max Press PSI 8,368.00	ISIP 5,374.00	Frac Gradient 1.15			
Sand Proppant 202,990.00	Water-bbl 5,307.00	SCF N2	Acid-Gal 750.00			
Stage 21	Formation MARCELLUS	Frac Type Slickwater				
Date 9/12/2012	From / To 11578 - 11700	# of perfs	BD Press 6,582.00	ATP Psi 8,076.00	SIP Detail 5 Min: 3639 10 Min: 3449 15 Min: 3353	
Avg Rate 99.00	Max Press PSI 8,807.00	ISIP 4,204.00	Frac Gradient 0.99			
Sand Proppant 201,053.00	Water-bbl 5,163.00	SCF N2	Acid-Gal 750.00			
Stage 22	Formation MARCELLUS	Frac Type Slickwater				
Date 9/13/2012	From / To 11428 - 11550	# of perfs	BD Press 6,685.00	ATP Psi 8,015.00	SIP Detail 5 Min: 3810 10 Min: 3562 15 Min: 3431	
Avg Rate 98.50	Max Press PSI 8,319.00	ISIP 4,588.00	Frac Gradient 1.04			
Sand Proppant 204,743.00	Water-bbl 5,081.00	SCF N2	Acid-Gal 750.00			
Stage 23	Formation MARCELLUS	Frac Type Slickwater				
Date 9/13/2012	From / To 11278 - 11400	# of perfs	BD Press 6,055.00	ATP Psi 8,055.00	SIP Detail 5 Min: 4132 10 Min: 3720 15 Min: 3509	
Avg Rate 100.00	Max Press PSI 8,617.00	ISIP 5,322.00	Frac Gradient 1.14			
Sand Proppant 200,903.00	Water-bbl 5,177.00	SCF N2	Acid-Gal 750.00			

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Stage 24	Formation MARCELLUS	Frac Type Slickwater				
Date 9/13/2012	From / To 11128 - 11250	# of perfs	BD Press 5,766.00	ATP Psi 7,710.00	SIP Detail 5 Min: 3571 10 Min: 3395 15 Min: 3315	
Avg Rate 99.20	Max Press PSI 7,958.00	ISIP 4,367.00	Frac Gradient 1.01			
Sand Proppant 203,110.00	Water-bbl 5,151.00	SCF N2	Acid-Gal 750.00			
Stage 25	Formation MARCELLUS	Frac Type Slickwater				
Date 9/14/2012	From / To 10978 - 11100	# of perfs	BD Press 6,423.00	ATP Psi 8,317.00	SIP Detail 5 Min: 3613 10 Min: 3458 15 Min: 3382	
Avg Rate 97.00	Max Press PSI 8,647.00	ISIP 4,286.00	Frac Gradient 1			
Sand Proppant 202,556.00	Water-bbl 4,938.00	SCF N2	Acid-Gal 750.00			
Stage 26	Formation MARCELLUS	Frac Type Slickwater				
Date 9/14/2012	From / To 10828 - 10950	# of perfs	BD Press 7,042.00	ATP Psi 8,162.00	SIP Detail 5 Min: 3672 10 Min: 3515 15 Min: 3428	
Avg Rate 94.00	Max Press PSI 8,598.00	ISIP 4,539.00	Frac Gradient 1.04			
Sand Proppant 202,461.00	Water-bbl 5,076.00	SCF N2	Acid-Gal 750.00			
Stage 27	Formation MARCELLUS	Frac Type Slickwater				
Date 9/14/2012	From / To 10678 - 10800	# of perfs	BD Press 6,241.00	ATP Psi 8,344.00	SIP Detail 5 Min: 3606 10 Min: 3650 15 Min: 3478	
Avg Rate 99.40	Max Press PSI 9,215.00	ISIP 6,316.00	Frac Gradient 1.27			
Sand Proppant 202,314.00	Water-bbl 5,743.00	SCF N2	Acid-Gal 750.00			

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Stage 28	Formation MARCELLUS	Frac Type Slickwater				
Date 9/14/2012	From / To 10528 - 10650	# of perfs	BD Press 6,001.00	ATP Psi 7,666.00	SIP Detail 5 Min: 3460 10 Min: 3339 15 Min: 3277	
Avg Rate 99.40	Max Press PSI 9,215.00	ISIP 4,165.00	Frac Gradient 0.99			
Sand Proppant 203,448.00	Water-bbl 5,196.00	SCF N2	Acid-Gal 750.00			
Stage 29	Formation MARCELLUS	Frac Type Slickwater				
Date 9/14/2012	From / To 10378 - 10500	# of perfs	BD Press 6,758.00	ATP Psi 7,918.00	SIP Detail 5 Min: 4039 10 Min: 3625 15 Min: 3436	
Avg Rate 100.90	Max Press PSI 8,315.00	ISIP 5,204.00	Frac Gradient 1.13			
Sand Proppant 201,599.00	Water-bbl 4,962.00	SCF N2	Acid-Gal 750.00			
Stage 30	Formation MARCELLUS	Frac Type Slickwater				
Date 9/14/2012	From / To 10228 - 10350	# of perfs	BD Press 6,013.00	ATP Psi 8,114.00	SIP Detail 5 Min: 3820 10 Min: 3599 15 Min: 3474	
Avg Rate 99.40	Max Press PSI 8,552.00	ISIP 4,703.00	Frac Gradient 1.06			
Sand Proppant 202,187.00	Water-bbl 4,846.00	SCF N2	Acid-Gal 750.00			
Stage 31	Formation MARCELLUS	Frac Type Slickwater				
Date 9/15/2012	From / To 10078 - 10200	# of perfs	BD Press 6,952.00	ATP Psi 8,015.00	SIP Detail 5 Min: 3646 10 Min: 3406 15 Min: 3343	
Avg Rate 98.00	Max Press PSI 8,523.00	ISIP 4,391.00	Frac Gradient 1.02			
Sand Proppant 201,957.00	Water-bbl 4,777.00	SCF N2	Acid-Gal 750.00			

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Stage 32	Formation MARCELLUS	Frac Type Slickwater				
Date 9/15/2012	From / To 9928 - 10050	# of perfs	BD Press 6,483.00	ATP Psi 7,970.00	SIP Detail 5 Min: 3739 10 Min: 3558 15 Min: 3462	
Avg Rate 99.90	Max Press PSI 8,942.00	ISIP 4,256.00	Frac Gradient 1			
Sand Proppant 201,894.00	Water-bbl 5,312.00	SCF N2	Acid-Gal 750.00			
Stage 33	Formation MARCELLUS	Frac Type Slickwater				
Date 9/15/2012	From / To 9778 - 9900	# of perfs	BD Press 7,022.00	ATP Psi 7,796.00	SIP Detail 5 Min: 3916 10 Min: 3659 15 Min: 3521	
Avg Rate 100.20	Max Press PSI 8,144.00	ISIP 4,845.00	Frac Gradient 1.08			
Sand Proppant 202,811.00	Water-bbl 5,112.00	SCF N2	Acid-Gal 750.00			
Stage 34	Formation MARCELLUS	Frac Type Slickwater				
Date 9/15/2012	From / To 9628 - 9750	# of perfs	BD Press 6,897.00	ATP Psi 7,645.00	SIP Detail 5 Min: 3721 10 Min: 3517 15 Min: 3432	
Avg Rate 100.40	Max Press PSI 8,008.00	ISIP 4,604.00	Frac Gradient 1.05			
Sand Proppant 202,328.00	Water-bbl 4,831.00	SCF N2	Acid-Gal 750.00			
Stage 35	Formation MARCELLUS	Frac Type Slickwater				
Date 9/15/2012	From / To 9478 - 9600	# of perfs	BD Press 6,816.00	ATP Psi 7,758.00	SIP Detail 5 Min: 3728 10 Min: 3520 15 Min: 3423	
Avg Rate 99.70	Max Press PSI 7,982.00	ISIP 4,494.00	Frac Gradient 1.03			
Sand Proppant 199,929.00	Water-bbl 4,944.00	SCF N2	Acid-Gal 750.00			

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Stage 36	Formation MARCELLUS	Frac Type Slickwater				
Date 9/16/2012	From / To 9328 - 9450	# of perfs	BD Press 7,985.00	ATP Psi 7,907.00	SIP Detail 5 Min: 3758 10 Min: 3545 15 Min: 3448	
Avg Rate 100.10	Max Press PSI 8,456.00	ISIP 4,625.00	Frac Gradient 1.05			
Sand Proppant 199,638.00	Water-bbl 4,773.00	SCF N2	Acid-Gal 750.00			
Stage 37	Formation MARCELLUS	Frac Type Slickwater				
Date 9/16/2012	From / To 9178 - 9300	# of perfs	BD Press 6,364.00	ATP Psi 7,953.00	SIP Detail 5 Min: 3710 10 Min: 3534 15 Min: 3429	
Avg Rate 100.80	Max Press PSI 8,604.00	ISIP 4,488.00	Frac Gradient 1.03			
Sand Proppant 202,999.00	Water-bbl 4,866.00	SCF N2	Acid-Gal 750.00			
Stage 38	Formation MARCELLUS	Frac Type Slickwater				
Date 9/16/2012	From / To 9028 - 9150	# of perfs	BD Press 7,477.00	ATP Psi 7,815.00	SIP Detail 5 Min: 3781 10 Min: 3569 15 Min: 3454	
Avg Rate 100.60	Max Press PSI 8,120.00	ISIP 4,777.00	Frac Gradient 1.07			
Sand Proppant 198,738.00	Water-bbl 5,000.00	SCF N2	Acid-Gal 750.00			
Stage 39	Formation MARCELLUS	Frac Type Slickwater				
Date 9/16/2012	From / To 8878 - 9000	# of perfs	BD Press 7,882.00	ATP Psi 7,964.00	SIP Detail 5 Min: 3778 10 Min: 3531 15 Min: 3417	
Avg Rate 97.31	Max Press PSI 8,791.00	ISIP 4,869.00	Frac Gradient 1.08			
Sand Proppant 199,867.00	Water-bbl 4,919.00	SCF N2	Acid-Gal 750.00			

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Stage 40	Formation MARCELLUS	Frac Type Slickwater				
Date 9/16/2012	From / To 8728 - 8850	# of perfs	BD Press 6,355.00	ATP Psi 7,251.00	SIP Detail 5 Min: 3876 10 Min: 3599 15 Min: 3478	
Avg Rate 100.70	Max Press PSI 7,888.00	ISIP 5,271.00	Frac Gradient 1.14			
Sand Proppant 203,615.00	Water-bbl 4,925.00	SCF N2	Acid-Gal 750.00			
Stage 41	Formation MARCELLUS	Frac Type Slickwater				
Date 9/16/2012	From / To 8578 - 8700	# of perfs	BD Press 6,500.00	ATP Psi 7,365.00	SIP Detail 5 Min: 4409 10 Min: 3963 15 Min: 3734	
Avg Rate 100.80	Max Press PSI 8,502.00	ISIP 5,492.00	Frac Gradient 1.17			
Sand Proppant 199,652.00	Water-bbl 4,851.00	SCF N2	Acid-Gal 750.00			
Stage 42	Formation MARCELLUS	Frac Type Slickwater				
Date 9/17/2012	From / To 8428 - 8550	# of perfs	BD Press 6,990.00	ATP Psi 7,239.00	SIP Detail 5 Min: 3535 10 Min: 3341 15 Min: 3271	
Avg Rate 100.80	Max Press PSI 7,894.00	ISIP 4,507.00	Frac Gradient 1.03			
Sand Proppant 202,244.00	Water-bbl 4,766.00	SCF N2	Acid-Gal 750.00			
Stage 43	Formation MARCELLUS	Frac Type Slickwater				
Date 9/17/2012	From / To 8278 - 8400	# of perfs	BD Press 6,902.00	ATP Psi 7,347.00	SIP Detail 5 Min: 4127 10 Min: 3818 15 Min: 3619	
Avg Rate 100.60	Max Press PSI 9,189.00	ISIP 5,294.00	Frac Gradient 1.14			
Sand Proppant 201,953.00	Water-bbl 4,936.00	SCF N2	Acid-Gal 750.00			

103-02700

Stage	Formation	Frac Type			
44	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/17/2012	8128 - 8250		6,001.00	7,192.00	5 Min: 3601 10 Min: 3389 15 Min: 3299
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.70	7,575.00	4,549.00	1.04		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,487.00	5,012.00		750.00		
<hr/>					
Stage	Formation	Frac Type			
1.1	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/6/2012	14561 - 14583		8,465.00	8,410.00	5 Min: 3194 10 Min: 3137 15 Min: 3103
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
77.00	8,901.00	3,505.00	0.9		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
184,210.00	9,546.00		2,000.00		

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06/21/2013