

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

DATE: 2012-01-11
API #: 4701705919

Farm name: J. L. Morris Operator Well No.: 512443

LOCATION: Elevation: 1230 Quadrangle: Oxford

District: Unknown County: Doddridge, WV
Latitude: 39.183844646 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: -80.79442347 Feet West of _____ Deg. _____ Min. _____ Sec.

Company: EQT Production Company

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700 625 Liberty Avenue, Pittsburgh, PA 15222	20	40	40	10.86
Agent: Cecil Ray	13 3/8	1113	1113	852
Inspector: David Scrange	9 5/8	3,055	3,055	1093.35
Date Permit Issued: <u>2009-12-21</u>	5 1/2	12,284	12,284	2045.6
Date Well Work Commenced: <u>2010-05-03</u>				
Date Well Work Completed: <u>12/15/11</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6695</u>				
Total Measured Depth (ft): <u>13,322</u>				
Fresh Water Depth (ft.): <u>Not Rptd</u>				
Salt Water Depth (ft.): <u>Not Rptd</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>Not Rptd</u>				
Void(s) encountered (N/Y) Depth(s) <u>Not Rptd</u>				

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Office of Oil & Gas
MAY 29 2012
WV Department of
Environmental Protection

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

Producing formation MARCELLUS Pay zone depth (ft) _____

Gas: Initial open flow N/A MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 4126 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 2560 psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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

Mike Butcher
Signature

2012-01-11
Date

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 Yes 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:

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

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

WARREN	3,230.72	3,300.67	69.95	--
SPEECHLEY	3,300.67	3,826.79	526.12	--
BALLTOWN A	3,826.79	4,188.1	361.31	--
BRADFORD	4,188.1	4,850.6	662.5	--
BENSON	4,850.6	5,100.03	249.43	--
ALEXANDER	5,100.03	6,234.88	1,134.85	--
SONYEA	6,234.88	6,388.63	153.75	--
MIDDLESEX	6,388.63	6,457.74	69.11	--
GENESSEE	6,457.74	6,527.77	70.03	--
GENESEO	6,527.77	6,567.65	39.88	--
TULLY	6,567.65	6,587.14	19.49	--
HAMILTON	6,587.14	6,599.92	12.78	--
MARCELLUS BLK SHALE	6,599.92			--
PURCELL	6,612.71	6,636.46	23.75	--
CHERRY VALLEY	6,636.46			--

EOTWR-35 Completion Attachment Well Treatment Summary

Stage	Formation	Frac Type				
1	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/18/2011	12868 - 13110		5,461.00	8,786.00	5 Min: 4756	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
79.00	9,044.00	5,461.00	1.23			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
402,087.00	10,170.00					

Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/19/2011	12568 - 12810		6,374.00	8,009.00	5 Min: 4536	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
92.00	8,806.00	5,464.00	1.24			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
402,063.00	10,543.00					

Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/19/2011	12268 - 12510		5,962.00	8,284.00	5 Min: 3872	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.00	8,598.00	4,967.00	1.17			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
399,140.00	10,063.00		2,000.00			

EQTWR-35 Completion Attachment Well Treatment Summary

Stage	Formation	Frac Type				
4	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/20/2011	11968 - 12210		5,989.00	8,287.00	5 Min: 4812	
					10 Min: 4421	
					15 Min: 4339	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
93.00	9,071.00	5,830.00	1.29			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
402,301.00	11,609.00		2,000.00			

Stage	Formation	Frac Type				
5	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/20/2011	11668 - 11910		5,714.00	7,910.00	5 Min: 4248	
					10 Min: 3759	
					15 Min: 3504	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
92.00	8,221.00	5,464.00	1.24			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
403,832.00	9,805.00		2,000.00			

Stage	Formation	Frac Type				
6	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/21/2011	11368 - 11610		6,120.00	8,089.00	5 Min: 5060	
					10 Min: 4770	
					15 Min: 4568	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
102.00	8,669.00	5,315.00	1.22			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
404,262.00	10,576.00		2,000.00			

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	
9/21/2011	11068 - 11310		5,538.00	7,690.00	5 Min: 4084	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
103.00	7,913.00	4,322.00	1.07	10 Min: 3888 15 Min: 3803		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
413,325.00	5,685.00		2,000.00			

Stage	Formation	Frac Type				
8	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/22/2011	10468 - 10710		6,176.00	7,775.00	5 Min: 4262	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	8,303.00	4,491.00	1.1	10 Min: 3934 15 Min: 3650		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
401,501.00	10.97		2,000.00			

Stage	Formation	Frac Type				
9	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/22/2011	10468 - 10710		5,867.00	7,667.00	5 Min: 4760	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
89.00	8,873.00	5,310.00	1.22	10 Min: 4558 15 Min: 4344		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
401,896.00	9,841.00		2,000.00			

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
9/23/2011	10168 - 10410		5,645.00	7,594.00	5 Min: 4839
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4593
101.00	8,354.00	5,408.00	1.23		15 Min: 4408
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
402,595.00	10,193.00		2,000.00		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/23/2011	9868 - 10110		5,723.00	7,566.00	5 Min: 3662
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3369
102.00	7,901.00	4,257.00	1.06		15 Min: 3177
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
404,463.00	9,339.00		2,000.00		

Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/24/2011	9568 - 9810		5,803.00	7,193.00	5 Min: 4719
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4611
98.00	9,065.00	5,258.00	1.05		15 Min: 4422
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,350.00	11,714.00		2,000.00		

EOT 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
9/24/2011	9268 - 9510		5,701.00	7,465.00	5 Min: 3647
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3452
103.00	7,850.00	4,458.00	0.9		15 Min: 3212
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
401,351.00	9,527.00		2,000.00		

Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/25/2011	9268 - 9510		5,801.00	7,124.00	5 Min: 4834
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4638
89.00	8,344.00	5,114.00	1.19		15 Min: 4482
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
399,637.00	10,099.00		2,000.00		

Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/25/2011	8668 - 8910		6,061.00	6,870.00	5 Min: 3521
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3280
95.00	7,519.00	3,832.00	1		15 Min: 3125
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
405,749.00	9,376.00		2,000.00		

EQT WIR-35 Completion Attachment Well Treatment Summary

Stage	Formation	Frac Type			SIP Detail
16	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/26/2011	8368 - 8610		5,455.00	7,133.00	5 Min: 3966
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3699
100.00	7,849.00	4,699.00	1.13		15 Min: 3518
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
409,707.00	9,723.00		2,000.00		

Stage	Formation	Frac Type			SIP Detail
17	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/26/2011	8068 - 8310		5,499.00	7,070.00	5 Min: 4053
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3690
98.00	7,940.00	4,642.00	1.12		15 Min: 3479
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
401,295.00	10,501.00		2,000.00		

Stage	Formation	Frac Type			SIP Detail
18	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
9/27/2011	7768 - 8010		5,265.00	7,136.00	5 Min: 4283
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4031
99.00	7,743.00	5,171.00	1.2		15 Min: 3845
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
401,323.00	10,982.00		2,000.00		

EQT WIR 35 Completion Attachment Well Treatment Summary

Stage	Formation	Frac Type				
19	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/27/2011	7468 - 7710		5,541.00	6,771.00	5 Min: 2764	
					10 Min: 2650	
					15 Min: 2583	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.00	7,391.00	3,431.00	0.94			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
398,516.00	9,512.00		2,000.00			

Stage	Formation	Frac Type				
20	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
9/28/2011	7168 - 7410		5,273.00	7,385.00	5 Min: 3356	
					10 Min: 3045	
					15 Min: 2860	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
7,385.00	8,303.00	4,708.00	1.13			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
200,787.00	6,745.00		2,000.00			