

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

DATE: 2012-10-11 Amended *JF*  
API #: 4701705957

Farm name: John R. Davies et al Operator Well No.: 513370

LOCATION: Elevation: 1180 Quadrangle: West Union

District: Unknown County: Doddridge, WV  
Latitude: 39.27211 Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.  
Longitude -80.77173 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	49.6
Agent: Cecil Ray	13 3/8	1,147	1,147	979.8
Inspector: <b>David Scrange</b>	9 5/8	3,192	3,192	1,363.53
Date Permit Issued: 2010-06-18	5 1/2	9,658	9,658	1,828.8
Date Well Work Commenced: 2010-07-16				
Date Well Work Completed: 2011-05-30				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 6,647.85				
Total Measured Depth (ft): 9,656				
Fresh Water Depth (ft.): FW @ 66,157,268,343				
Salt Water Depth (ft.): None Encountered				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 60, 205, 403, 675				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 2,256 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 2,368 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.

*Mark Best*  
\_\_\_\_\_  
Signature

2012-11-20  
\_\_\_\_\_  
Date

RECEIVED  
OFFICE OF OIL & GAS  
2012 NOV 30 1:10  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
12/07/2012

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 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): **3246Ft 104 Sacks Plugcem, 3030Ft 104 Sacks Plugcem  
3177, Cast Iron Bridge Plug**

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Sand / 0 / 55 / 55 -- Shale / 55 / 60 / 5 -- Coal / 60 / 62 / 2 -- Sand / 62 / 100 / 38 -- Red Rock / 100 / 108 / 8 --		
Shale / 108 / 205 / 97 -- Coal / 205 / 210 / 5 -- Sand / 210 / 240 / 30 -- Red Rock / 240 / 250 / 10 -- Red Rock / 250 / 265 / 15 --		
Sand / 265 / 280 / 15 -- Red Rock / 280 / 290 / 10 -- Sand and Shale / 290 / 330 / 40 -- Red Rock / 330 / 350 / 20 --		
Sand and Shale / 350 / 403 / 53 -- Coal / 403 / 406 / 3 -- Sand and Shale / 406 / 675 / 269 -- Coal / 675 / 677 / 2 --		
Sand and Shale / 677 / 983 / 306 --Shale / 750 / 840 / 90 -- Red Rock / 840 / 860 / 20 -- Sand / 860 / 1,070 / 210 --		
Red Rock / 1,070 / 1,085 / 15 -- Sand / 1,085 / 3,222 / 2,137 -- WARREN / 3,222.06 / 3,304.96 / 82.9 -- SPEECHLEY / 3,304.96 / 3,988.6 / 683.64 --		
BALLTOWN B / 3,988.6 / 4,175.98 / 187.38 -- BRADFORD / 4,175.98 / 4,450.42 / 274.44 -- RILEY / 4,450.42 / 4,887.17 / 436.75 --		
BENSON / 4,887.17 / 5,140.73 / 253.56 -- ALEXANDER / 5,140.73 / 6,249.28 / 1,108.55 -- SONYEA / 6,249.28 / 6,483.95 / 234.67 --		
MIDDLESEX / 6,483.95 / 6,536.19 / 52.24 -- GENESSEE / 6,536.19 / 6,613.69 / 77.5 -- GENESEO / 6,613.69 / 6,642.8 / 29.11		
TULLY / 6,642.8 / 6,667.05 / 24.25 -- HAMILTON / 6,667.05 / 6,682.09 / 15.04 -- MARCELLUS BLK SHALE / 6,682.09 / 6,697.36 / 15.27 --		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
1	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
4/1/2011	9393 - 9635		6,424.00	7,493.00	5 Min: 2628
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 2496
95.10	9,077.00	3,122.00	0.9		15 Min: 2417
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
407,407.00	9,903.00		2,000.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
2	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
4/1/2011	9093 - 9335		7,721.00	7,452.00	5 Min: 2825
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 2669
97.20	8,630.00	3,323.00	0.93		15 Min: 2574
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
398,724.00	9,974.00		2,000.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
3	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
4/1/2011	8793 - 9033		6,605.00	7,255.00	5 Min: 2768
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 2600
99.60	8,938.00	3,291.00	0.93		15 Min: 2505
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
409,790.00	9,908.00		2,000.00		

12/07/2012

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
4	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
4/2/2011	8493 - 8733		6,774.00	6,690.00	5 Min: 2791	
					10 Min: 2636	
					15 Min: 2566	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>			
101.90	8,251.00	3,275.00	0.93			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
404,230.00	9,934.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
5	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
4/2/2011	8193 - 8435		5,684.00	6,433.00	5 Min: 2918	
					10 Min: 2758	
					15 Min: 2659	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>			
100.60	7,761.00	3,388.00	0.94			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
399,941.00	10,024.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
6	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
4/4/2011	7893 - 8135		6,307.00	6,955.00	5 Min: 3194	
					10 Min: 3031	
					15 Min: 2935	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>			
100.30	8,277.00	3,879.00	1.02			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
399,240.00	9,909.00		2,000.00			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
7	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
4/4/2011	7593 - 7835		6,058.00	7,086.00	5 Min: 2983	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 2801	
100.20	8,927.00	3,482.00	0.96		15 Min: 2695	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
395,550.00	9,790.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
8	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
4/4/2011	7293 - 7533		6,883.00	6,555.00	5 Min: 3002	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 2844	
101.00	7,747.00	3,486.00	0.96		15 Min: 2748	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
401,293.00	9,650.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
9	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
4/5/2011	6993 - 7233		7,281.00	6,585.00	5 Min: 2927	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 2799	
98.82	7,862.00	3,368.00	0.94		15 Min: 2728	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
401,466.00	9,704.00		2,000.00			

12/07/2012