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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 *FINAL*

DATE: 10/7/2013
API #: 47-017-06057

pm

Farm name: Patty J & R Keith Cribfield & David Wentz Operator Well No.: 514135

LOCATION: Elevation: 1179 Quadrangle: Smithburg 7.5

District: Grant County: Doddridge
Latitude: 2811 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 8650 Feet West of 80 Deg. 40 Min. 00 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 AVE, PITTSBURGH, PA 15222	20	63	63	45
Agent: CECIL RAY	13-3/8"	1045	1045	964
Inspector: DAVID SCRANAGE	9-5/8"	5326	5326	2189
Date Permit Issued: 6/15/2012	5-1/2"	11898	11898	1673
Date Well Work Commenced: 5/4/2013				
Date Well Work Completed: 10/5/2013				
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): 7113				
Total Measured Depth (ft): 11903				
Fresh Water Depth (ft.): 344				
Salt Water Depth (ft.): 1187				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s) N				

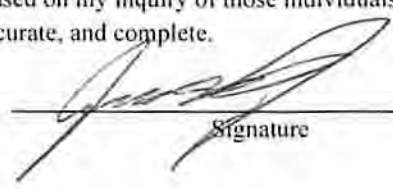
OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7.060
Gas: Initial open flow 2337 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 5.223 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 55.5 Hours
Static rock Pressure 3.035 psig (surface pressure) after 55.5 Hours

Second producing formation NA Pay zone depth (ft) NA
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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Office of Oil and Gas
JUL 10 2014

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

7/9/2014
Date

09/19/2014

17-06057

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 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:

Amended Report with Flow Back Data

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
<u>Sand/Shale 0/2482 -- Weir 2482/2671 -- Berea 2671/ 2685 -- Gantz 2685/2752</u>		
<u>Fifty Foot 2752/2862 -- Thirty Foot 2862/ 2885 -- Gordon 2885/3039 -- Fourth Sand 3039/ 3179 -- Fifth Sand 3179/3536</u>		
<u>Warren 3536/3759 -- Speechly 3759/4096-- Balltown B 4096/4142 -- Balltown A 4142/4485</u>		
<u>Bradford 4485/5216 -- Benson 5216/5467 -- Alexander 5467/6467 -- Rhinestreet 6467/6511</u>		
<u>Sonyea 6511/6687 -- Middlesex 6687/6738 -- Genesee 6738/6947 -- Geneseo 6947/6992</u>		
<u>Tully 6992/7021 -- Hamilton 7020/7060 -- Marcellus 7060/7113</u>		

514135 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop	2/24/14 14:44	11,738.00	NA	11,875.00	11,875.00	NA
1	2/24/14 16:58	11,738.00	NA	11,752.00	11,844.00	4
2	2/24/14 22:58	11,588.00	11,738.00	11,602.00	11,724.00	4
3	2/25/14 3:27	11,438.00	11,588.00	11,452.00	11,574.00	4
4	2/25/14 6:09	11,288.00	11,438.00	11,306.00	11,424.00	4
5	2/25/14 13:11	11,138.00	11,288.00	11,152.00	11,274.00	4
6	2/25/14 17:54	10,988.00	11,138.00	11,002.00	11,124.00	4
7	2/25/14 22:44	10,838.00	10,988.00	10,852.00	10,974.00	4
8	2/26/14 2:48	10,688.00	10,838.00	10,702.00	10,824.00	4
9	2/26/14 7:40	10,538.00	10,688.00	10,552.00	10,674.00	4
10	2/26/14 11:43	10,388.00	10,538.00	10,402.00	10,525.00	4
11	2/26/14 19:14	10,238.00	10,388.00	10,252.00	10,374.00	4
12	2/26/14 23:33	10,088.00	10,238.00	10,102.00	10,224.00	4
13	2/27/14 3:20	9,938.00	10,088.00	9,952.00	10,074.00	4
14	2/27/14 7:31	9,788.00	9,938.00	9,802.00	9,924.00	4
15	2/27/14 12:50	9,638.00	9,788.00	9,652.00	9,774.00	4
16	2/27/14 18:42	9,488.00	9,638.00	9,502.00	9,624.00	4
17	2/27/14 22:50	9,338.00	9,488.00	9,352.00	9,474.00	4
18	2/28/14 11:36	9,188.00	9,338.00	9,202.00	9,324.00	4
19	2/28/14 21:08	9,038.00	9,188.00	9,052.00	9,174.00	4
20	3/1/14 0:48	8,888.00	9,038.00	8,902.00	9,024.00	4
21	3/1/14 4:59	8,738.00	8,888.00	8,752.00	8,874.00	4
22	3/1/14 11:15	8,588.00	8,738.00	8,602.00	8,724.00	4
23	3/1/14 14:58	8,438.00	8,588.00	8,452.00	8,574.00	4
24	3/1/14 19:33	8,288.00	8,438.00	8,302.00	8,424.00	4
25	3/1/14 23:00	8,138.00	8,288.00	8,152.00	8,274.00	4
26	3/2/14 2:49	7,988.00	8,138.00	8,002.00	8,124.00	4
27	3/2/14 6:58	7,838.00	7,988.00	7,852.00	7,974.00	4
28	3/2/14 10:16	7,688.00	7,838.00	7,702.00	7,824.00	4
29	3/2/14 13:30	7,538.00	7,688.00	7,552.00	7,674.00	4
30	3/2/14 16:42	NA	7,538.00	7,402.00	7,524.00	4

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514135 - Stimulated Stages

Zone/Stage	P Break (psi)	Avg Treat Pressure (psi)	Avg rate (bbl/min)	ISIP (psi)	Frac Gradient (psi/ft)	15 Min. SIP (psi)	Fluid Volume (bbl)	Start Date	End Date	Proppant (lb)
Toe Pop	NA	7,498.00	12.3	NA	NA	NA	31,760	2/24/2014 15:15	2/24/2014 16:18	NA
1		8,572.00	95.5	3,392.00	0.91	3,041.00	5,154	2/24/2014 20:48	2/24/2014 22:10	200,100
2	6,865.00	8,479.00	93.3	3,865.00	0.98	3,044.00	5,098	2/25/2014 1:21	2/25/2014 2:43	202,000
3	7,335.00	8,354.00	97.0	4,583.00	1.08	3,127.00	5,116	2/25/2014 5:58	2/25/2014 7:17	198,300
4	6,861.00	8,605.00	94.9	4,798.00	1.11	3,273.00	5,057	2/25/2014 10:11	2/25/2014 11:27	198,800
5	6,687.00	8,457.00	98.9	4,495.00	1.07	3,275.00	5,096	2/25/2014 15:11	2/25/2014 16:25	200,100
6	8,186.00	8,408.00	91.5	4,378.00	1.05	3,298.00	5,348	2/25/2014 19:46	2/25/2014 21:30	200,900
7	6,701.00	8,311.00	100.2	4,331.00	1.04	3,323.00	5,083	2/26/2014 0:01	2/26/2014 1:33	198,700
8	6,766.00	8,178.00	99.9	4,429.00	1.06	3,503.00	5,131	2/26/2014 4:22	2/26/2014 5:38	199,000
9	6,535.00	8,186.00	98.9	4,802.00	1.11	3,335.00	5,222	2/26/2014 8:51	2/26/2014 10:09	199,500
10	6,654.00	8,478.00	89.6	5,298.00	1.18	3,450.00	5,200	2/26/2014 15:56	2/26/2014 17:18	199,000
11	7,028.00	8,648.00	94.7	4,086.00	1.01	3,184.00	5,045	2/26/2014 20:48	2/26/2014 22:26	200,900
12	7,121.00	8,221.00	98.2	4,171.00	1.02	3,212.00	5,125	2/27/2014 0:43	2/27/2014 2:17	206,100
13	6,980.00	8,382.00	99.3	4,357.00	1.05	3,274.00	5,020	2/27/2014 4:27	2/27/2014 5:41	201,500
14	5,819.00	7,940.00	99.0	4,446.00	1.06	3,341.00	5,320	2/27/2014 9:50	2/27/2014 11:09	203,000
15	6,292.00	8,016.00	99.5	4,410.00	1.06	3,215.00	5,188	2/27/2014 16:02	2/27/2014 17:36	199,400
16	6,317.00	8,007.00	100.4	4,150.00	1.02	3,239.00	5,098	2/27/2014 20:06	2/27/2014 21:42	202,800
17	6,591.00	8,093.00	92.9	4,514.00	1.07	3,526.00	4,935	2/28/2014 8:45	2/28/2014 10:02	200,000
18	7,582.00	8,064.00	96.0	4,280.00	1.04	3,161.00	5,121	2/28/2014 18:28	2/28/2014 20:03	204,000
19	7,383.00	8,110.00	97.6	4,198.00	1.03	3,254.00	4,966	2/28/2014 22:15	2/28/2014 23:46	200,400
20	7,975.00	7,921.00	97.1	4,326.00	1.04	3,329.00	4,869	3/1/2014 2:23	3/1/2014 3:56	200,000
21	6,150.00	8,280.00	95.1	4,827.00	1.12	3,434.00	5,077	3/1/2014 8:49	3/1/2014 9:58	198,000
22	6,580.00	7,908.00	100.0	5,291.00	1.18	3,500.00	5,100	3/1/2014 12:39	3/1/2014 13:48	198,100
23	7,170.00	7,949.00	99.3	5,134.00	1.16	3,538.00	5,042	3/1/2014 16:04	3/1/2014 18:31	200,600
24	7,426.00	7,780.00	98.5	4,908.00	1.13	3,519.00	5,050	3/1/2014 20:36	3/1/2014 22:04	202,200
25	7,360.00	7,840.00	98.0	5,187.00	1.17	3,496.00	5,006	3/2/2014 0:25	3/2/2014 1:52	202,000
26	7,343.00	7,871.00	100.5	5,171.00	1.16	3,576.00	4,959	3/2/2014 4:12	3/2/2014 5:19	201,700
27	6,612.00	7,722.00	100.1	4,586.00	1.08	3,514.00	5,145	3/2/2014 7:41	3/2/2014 8:53	202,000
28	6,242.00	7,861.00	100.2	4,391.00	1.05	3,369.00	5,162	3/2/2014 11:05	3/2/2014 12:17	198,900
29	7,139.00	7,526.00	100.2	4,721.00	1.1	3,537.00	5,191	3/2/2014 14:14	3/2/2014 15:31	199,600
30	8,324.00	7,633.00	99.6	3,802.00	0.97	2,978.00	5,018	3/2/2014 18:20	3/2/2014 19:52	202,100

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