

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: 10/31/2013
API #: 47-1706054

pm 47

Farm name: Patty J & R Keith Cribfield & David Wentz Operator Well No.: 513165

LOCATION: Elevation: 1179 Quadrangle: Smithburg 7.5

District: Grant County: Doddridge
Latitude: 2783 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 8640 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	40	40	45
Agent: CECIL RAY	13-3/8"	1040	1040	928
Inspector: DAVID SCRANAGE	9-5/8"	5325	5325	2178
Date Permit Issued: 6/15/2012	5-1/2"	10760	10760	1377
Date Well Work Commenced: 5/4/2013				
Date Well Work Completed: 10/28/2013				
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): 6977				
Total Measured Depth (ft): 10760				
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				

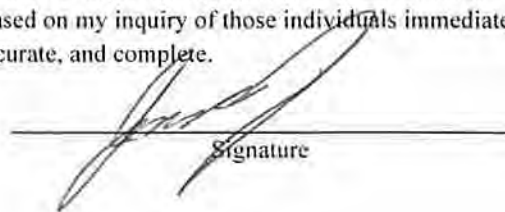
OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Genesee Pay zone depth (ft) 6,930
Gas: Initial open flow 1,056 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 10,700 MCF/d Final open flow 48 Bbl/d
Time of open flow between initial and final tests 75.3 Hours
Static rock Pressure 2,028 psig (surface pressure) after 77 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

Rec'd July 10 2014 pm

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

513165 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop	12/12/12 1:48	10,599.00	NA	10,734.00	10,736.00	NA
1	12/12/13 8:52	10,599.00	NA	10,612.00	10,704.00	4
2	12/12/13 19:32	10,449.00	10,599.00	10,463.00	10,585.00	4
3	12/13/13 0:38	10,299.00	10,449.00	10,313.00	10,435.00	4
4	12/13/13 5:49	10,149.00	10,299.00	10,163.00	10,283.00	4
5	12/13/13 10:39	9,999.00	10,149.00	10,013.00	10,135.00	4
6	12/13/13 19:27	9,849.00	9,999.00	9,863.00	9,983.00	4
7	12/14/13 0:31	9,699.00	9,849.00	9,713.00	9,835.00	4
8	12/14/13 4:44	9,549.00	9,699.00	9,563.00	9,685.00	4
9	12/14/13 9:36	9,399.00	9,549.00	9,413.00	9,535.00	4
10	12/14/13 15:09	9,249.00	9,399.00	9,263.00	9,382.00	4
11	12/14/13 19:20	9,099.00	9,249.00	9,113.00	9,235.00	4
12	12/14/13 23:32	8,949.00	9,099.00	8,963.00	9,085.00	4
13	12/15/13 5:59	8,799.00	8,949.00	8,811.00	8,935.00	4
14	12/15/13 10:12	8,649.00	8,799.00	8,663.00	8,785.00	4
15	12/15/13 15:10	8,499.00	8,649.00	8,513.00	8,635.00	4
16	12/15/13 23:02	8,349.00	8,499.00	8,363.00	8,485.00	4
17	12/16/13 2:50	8,199.00	8,349.00	8,213.00	8,335.00	4
18	12/16/13 6:44	8,049.00	8,199.00	8,063.00	8,185.00	4
19	12/16/13 10:52	7,899.00	8,049.00	7,913.00	8,035.00	4
20	12/16/13 15:02	7,749.00	7,899.00	7,763.00	7,885.00	4
21	12/16/13 19:34	7,599.00	7,749.00	7,613.00	7,735.00	4
22	12/17/13 1:02	NA	7,599.00	7,463.00	7,585.00	4

17.06054

513165 - Stimulated Stages

Zone/Stage	P Break (psi)	Avg Treat Pressure (psi)	Avg rate (bbi/min)	ISIP (psi)	Froc Gradient (psi/ft)	15 Min. SIP (psi)	Fluid Volume (bbi)	Start Date	End Date	Proppant (lb)
Toe Pop	NA	7,962.00	11.2	NA	NA	NA	1,446	12/12/2013 2:05	12/12/2013 4:09	NA
1	6,004.00	8,054.00	95.2	2,961.00	0.86	2,673.00	5,347	12/12/2013 15:09	12/12/2013 16:29	198,942
2	7,266.00	7,977.00	100.3	2,820.00	0.84	2,637.00	5,155	12/12/2013 21:32	12/12/2013 22:44	201,264
3	7,060.00	8,028.00	99.6	3,067.00	0.87	2,763.00	5,004	12/13/2013 2:46	12/13/2013 3:57	198,465
4	7,281.00	8,226.00	97.3	3,184.00	0.89	2,864.00	5,231	12/13/2013 7:25	12/13/2013 8:45	199,175
5	6,822.00	8,184.00	96.0	3,319.00	0.91	2,951.00	5,611	12/13/2013 12:48	12/13/2013 17:34	199,860
6	6,676.00	7,919.00	100.7	3,242.00	0.9	2,951.00	5,060	12/13/2013 21:37	12/13/2013 22:47	198,339
7	7,036.00	7,882.00	101.6	3,283.00	0.91	2,992.00	5,087	12/14/2013 1:56	12/14/2013 3:06	200,454
8	7,129.00	8,328.00	98.6	3,141.00	0.89	2,773.00	5,456	12/14/2013 6:30	12/14/2013 7:55	203,569
9	9,248.00	8,289.00	98.0	3,970.00	1	3,188.00	5,689	12/14/2013 12:04	12/14/2013 13:40	199,220
10	6,152.00	7,715.00	99.6	3,789.00	0.98	3,115.00	5,107	12/14/2013 16:29	12/14/2013 17:40	201,172
11	7,486.00	7,472.00	101.8	3,709.00	0.97	3,140.00	5,143	12/14/2013 20:43	12/14/2013 21:53	196,672
12	7,252.00	7,300.00	101.2	3,734.00	0.97	3,156.00	5,299	12/15/2013 0:56	12/15/2013 2:08	204,232
13	7,251.00	7,430.00	101.1	3,444.00	0.93	3,136.00	5,216	12/15/2013 7:20	12/15/2013 8:34	202,525
14	7,063.00	7,294.00	100.9	3,440.00	0.93	3,066.00	5,136	12/15/2013 12:22	12/15/2013 13:34	201,949
15	6,529.00	7,500.00	101.8	3,426.00	0.93	3,042.00	5,009	12/15/2013 16:54	12/15/2013 17:59	199,801
16	7,386.00	7,712.00	101.0	3,485.00	0.94	2,996.00	5,091	12/16/2013 0:08	12/16/2013 1:19	201,117
17	6,968.00	7,387.00	101.5	3,426.00	0.93	3,022.00	5,031	12/16/2013 4:06	12/16/2013 5:13	198,290
18	7,417.00	7,436.00	100.6	3,383.00	0.92	3,007.00	5,060	12/16/2013 17:56	12/16/2013 9:09	206,486
19	7,508.00	7,386.00	100.7	3,464.00	0.93	3,076.00	5,020	12/16/2013 12:12	12/16/2013 13:24	197,373
20	6,985.00	8,005.00	99.9	3,612.00	0.95	3,043.00	4,908	12/16/2013 16:44	12/16/2013 0:00	199,901
21	6,718.00	7,619.00	98.1	3,453.00	0.93	2,997.00	5,085	12/16/2013 22:20	12/16/2013 23:36	201,525
22	6,069.00	7,067.00	100.4	3,146.00	0.89	2,758.00	5,080	12/16/2013 6:06	12/16/2013 7:22	200,451

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