

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

DATE: _____
API #: _____

Farm name: _____ Operator Well No.: _____

LOCATION: Elevation: _____ Quadrangle: _____

District: _____ County: _____

Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.

Longitude _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Agent:				
Inspector:				
Date Permit Issued:				
Date Well Work Commenced:				
Date Well Work Completed:				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft):				
Total Measured Depth (ft):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s)				

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

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

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.

Signature

Date

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: 12/9/13
API #: 4701706116

Farm name: Sue Ann Spiker Operator Well No.: 513528

LOCATION: Elevation: 1254' Quadrangle: Smithburg

District: New Milton County: Doddridge, WV
Latitude: 10,599 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 8,392 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: EQT Production Company

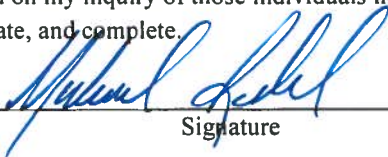
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700 625 Liberty Avenue, Pittsburgh, PA 15222	20	72	72	82
Agent: Cecil Ray	13 3/8	665	665	661
Inspector: Sam Ward	9 5/8	5,336	5,336	2,221
Date Permit Issued: 9/13/2012	5 1/2	11,950	11,950	1,884
Date Well Work Commenced: 10/25/2012				
Date Well Work Completed: 2/9/2013				
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): 6,812'				
Total Measured Depth (ft): 11,975'				
Fresh Water Depth (ft.): 106', 576'				
Salt Water Depth (ft.): No visible show				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 45', 281', 557', 628', 1,207', 1,376'				
Void(s) encountered (N/Y) Depth(s) No				

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

Producing formation Marcellus Pay zone depth (ft) 6,742
Gas: Initial open flow 1,109 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 12,799 MCF/d Final open flow 48 Bbl/d
Time of open flow between initial and final tests 74.5 Hours
Static rock Pressure 1,680 psig (surface pressure) after 74.5 Hours

Second producing formation No second 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.


Signature

7/17/2014
Date

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, MWD, Gamma, & CBL logs

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

Amended Report With Flow Back Data

Re-perforated stages 8 (8.1), 18 (18.1) and 27 (27.1)

Plug Back Details Including Plug Type and Depth(s): Pumped solid cement plug from (1)5,123' to 4,600'
(2) 4,780' to 3,735'

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

SAND/SHALE 0 / 48 / 48 -- COAL 48 / 53 / 5 -- SAND/SHALE 53 / 281 / 228 -- COAL 281 / 285 / 4

SAND/SHALE 285 / 560 / 275 -- COAL 560 / 577 / 17 -- SAND/SHALE 577 / 628 / 51

COAL 628 / 633 / 5 -- SAND/SHALE 633 / 1207 / 574 -- COAL 1207 / 1210 / 3

SAND/SHALE 1210 / 1376 / 166 -- COAL 1376 / 1381 / 5 -- SAND/SHALE 1381 / 1746 / 365

MAXTON 1746 / 1947 / 201 -- BIG LIME 1947 / 2041 / 94 -- BIG INJUN 2041 / 2244 / 203

WEIR 2244 / 2344 / 100 -- TOP DEVONIAN 2344 / 2451 / 107 -- GANTZ 2451 / 2573 / 122

FITY FOOT 2573 / 2668 / 95 -- THIRTY FOOT 2668 / 2729 / 61 -- GORDON 2729 / 2818 / 89

FORTH SAND 2818 / 2991 / 173 -- BAYARD 2991 / 3058 / 67 -- WARREN 3257 / 3336 / 79

SPEECHLEY 3336 / 3999 / 663 -- BALTOWN B 3999 / 4506 / 507 -- RILEY 4506 / 4923 / 417

BENSON 4923 / 5180 / 257 -- ALEXANDER 5180 / 6351 / 1171 -- SONYEA 6351 / 6513 / 162

MIDDLESEX 6513 / 6566 / 53 -- GENESEE 6566 / 6641 / 75 -- GENESEO 6641 / 6680 / 39

TULLY 6680 / 6709 / 29 -- HAMILTON 6709 / 6741 / 33 -- MARCELLUS 6742 / 6751 / 9

513528 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop		11,787.00	NA	11,922.00	11,925.00	NA
1	4/2/14 2:20	11,787.00	NA	11,801.00	11,891.00	4
2	4/2/14 8:06	11,637.00	11,787.00	11,651.00	11,773.00	4
3	4/2/14 16:15	11,487.00	11,637.00	11,501.00	11,623.00	4
4	4/3/14 2:37	11,337.00	11,487.00	11,351.00	11,473.00	4
5	4/3/14 7:25	11,187.00	11,337.00	11,201.00	11,323.00	4
6	4/3/14 13:10	11,037.00	11,187.00	11,051.00	11,173.00	4
7	4/3/14 19:31	10,887.00	11,037.00	10,901.00	11,021.00	4
8	4/3/14 23:25	10,787.00	11,037.00	10,751.00	10,873.00	4
8.1 (Re-Perf)	4/4/14 3:00	10,787.00	10,887.00	10,736.00	10,768.00	4
9	4/4/14 6:40	10,587.00	10,887.00	10,599.00	10,723.00	4
10	4/4/14 13:25	10,437.00	10,587.00	10,451.00	10,573.00	4
11	4/4/14 17:20	10,287.00	10,437.00	10,301.00	10,423.00	4
12	4/4/14 23:53	10,137.00	10,287.00	10,151.00	10,273.00	4
13	4/5/14 3:27	9,987.00	10,137.00	10,001.00	10,123.00	4
14	4/5/14 6:55	9,837.00	9,987.00	9,851.00	9,973.00	4
15	4/5/14 10:25	9,687.00	9,837.00	9,701.00	9,823.00	4
16	4/5/14 15:10	9,537.00	9,687.00	9,551.00	9,673.00	4
17	4/5/14 21:18	9,387.00	9,537.00	9,401.00	9,523.00	4
18	4/6/14 0:48	9,237.00	9,387.00	9,251.00	9,371.00	4
18.1 (Re-Perf)	4/6/14 4:41	9,237.00	9,387.00	9,214.50	9,246.50	4
19	4/6/14 8:30	9,050.00	9,200.00	9,064.00	9,186.00	4
20	4/6/14 13:30	8,900.00	9,050.00	8,914.00	9,036.00	4
21	4/6/14 17:46	8,750.00	8,900.00	8,764.00	8,886.00	4
22	4/6/14 21:51	8,600.00	8,750.00	8,614.00	8,736.00	4
23	4/7/14 1:09	8,450.00	8,600.00	8,464.00	8,586.00	4
24	4/7/14 4:32	8,300.00	8,450.00	8,314.00	8,436.00	4
25	4/7/14 8:50	8,150.00	8,300.00	8,164.00	8,286.00	4
26	4/7/14 13:40	8,000.00	8,150.00	8,014.00	8,136.00	4
27	4/7/14 22:15	7,850.00	8,000.00	7,864.00	7,986.00	4
27.1 (Re-Perf)	4/8/14 1:57	7,850.00	8,000.00	7,876.50	7,986.00	4
28	4/8/14 9:15	7,700.00	8,000.00	7,714.00	7,986.00	4
29	4/8/14 13:30	7,550.00	7,700.00	7,564.00	7,686.00	4
30	4/8/14 17:22	7,400.00	7,550.00	7,414.00	7,536.00	4
31	4/8/14 23:16	7,250.00	7,400.00	7,264.00	7,386.00	4
32	4/9/14 3:37	7,100.00	7,250.00	7,114.00	7,236.00	4
33	4/9/14 6:48	NA	7,100.00	6,964.00	7,086.00	4

513528 - 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	9,142.00	5.6	NA	NA	NA	693	4/1/2014 19:27	4/2/2014 1:34	NA
1	5,533.00	8,079.00	95.4	5,024.00	1.17	3,647.00	5,454	4/2/2014 5:04	4/2/2014 6:20	200,200
2	7,462.00	8,274.00	95.8	4,943.00	1.16	3,783.00	5,195	4/2/2014 13:38	4/2/2014 14:57	197,600
3	7,512.00	8,298.00	98.7	5,446.00	1.23	4,103.00	5,446	4/2/2014 22:21	4/2/2014 23:32	201,200
4	6,781.00	8,211.00	100.4	5,507.00	1.24	4,178.00	4,926	4/3/2014 4:52	4/3/2014 6:03	200,900
5	6,582.00	8,145.00	97.4	4,652.00	1.12	3,466.00	4,993	4/3/2014 10:33	4/3/2014 11:48	201,400
6	6,796.00	8,157.00	94.4	5,060.00	1.18	4,025.00	5,118	4/3/2014 15:30	4/3/2014 16:48	200,400
7	6,254.00	8,171.00	99.6	5,247.00	1.21	3,910.00	4,625	4/3/2014 20:46	4/3/2014 21:54	200,100
8	5,547.00	7,288.00	36.1	5,210.00	1.2	NA	2,416	4/4/2014 0:27	4/4/2014 1:42	0
8.1 (Re-Perf)	NA	7,990.00	53.7	5,247.00	1.21	4,137.00	2,577	4/4/2014 4:18	4/4/2014 5:27	3,100
9	7,116.00	7,704.00	99.8	5,345.00	1.22	4,244.00	9,772	4/4/2014 8:56	4/4/2014 12:05	397,800
10	6,405.00	7,996.00	98.4	4,848.00	1.15	3,788.00	5,135	4/4/2014 14:43	4/4/2014 16:01	199,700
11	5,996.00	8,587.00	76.3	5,111.00	1.19	3,890.00	5,916	4/4/2014 20:50	4/4/2014 22:30	200,300
12	7,436.00	7,978.00	97.5	5,239.00	1.21	3,964.00	4,697	4/5/2014 0:53	4/5/2014 2:03	200,500
13	7,202.00	8,085.00	96.3	5,384.00	1.23	4,047.00	4,667	4/5/2014 4:29	4/5/2014 5:38	196,500
14	6,492.00	7,841.00	99.9	4,927.00	1.16	3,825.00	5,188	4/5/2014 8:03	4/5/2014 9:17	199,700
15	6,557.00	8,238.00	99.1	5,442.00	1.23	4,142.00	4,914	4/5/2014 12:47	4/5/2014 13:59	194,500
16	6,841.00	7,978.00	99.5	5,215.00	1.2	4,178.00	4,603	4/5/2014 18:10	4/5/2014 19:35	202,900
17	5,831.00	7,994.00	91.9	5,132.00	1.19	3,801.00	4,644	4/5/2014 22:16	4/5/2014 23:28	201,400
18	7,497.00	7,765.00	22.7	5,593.00	1.26	4,210.00	1,713	4/6/2014 2:09	4/6/2014 3:27	1,600
18.1 (Re-Perf)	NA	7,675.00	98.6	5,226.00	1.2	4,186.00	5,003	4/6/2014 6:04	4/6/2014 7:11	200,200
19	6,992.00	7,796.00	100.2	5,254.00	1.21	4,123.00	4,981	4/6/2014 11:25	4/6/2014 12:37	200,100
20	6,404.00	7,653.00	98.0	5,608.00	1.26	4,585.00	6,286	4/6/2014 15:00	4/6/2014 16:43	198,200
21	6,566.00	7,730.00	99.7	5,023.00	1.17	4,122.00	4,828	4/6/2014 19:24	4/6/2014 20:53	198,700
22	7,372.00	7,896.00	100.2	4,805.00	1.14	3,826.00	4,936	4/6/2014 22:42	4/6/2014 23:53	202,200
23	7,162.00	7,483.00	100.2	5,181.00	1.2	4,018.00	4,817	4/7/2014 2:00	4/7/2014 3:11	199,400
24	6,931.00	7,609.00	99.9	5,297.00	1.21	4,329.00	4,965	4/7/2014 6:31	4/7/2014 7:43	199,700
25	6,752.00	7,446.00	98.0	5,245.00	1.21	4,547.00	4,915	4/7/2014 11:13	4/7/2014 12:25	200,600
26	5,931.00	7,440.00	97.5	5,158.00	1.19	4,274.00	4,751	4/7/2014 19:56	4/7/2014 21:06	201,900
27	6,288.00	7,420.00	29.2	5,562.00	1.25	4,457.00	1,868	4/7/2014 23:36	4/8/2014 0:39	1,200
27.1 (Re-Perf)	NA	8,605.00	63.4	6,606.00	1.41	4,473.00	1,602	4/8/2014 2:49	4/8/2014 3:25	2,900
28	3,993.00	7,421.00	99.9	4,398.00	1.08	3,829.00	9,468	4/8/2014 10:11	4/8/2014 12:06	400,200
29	6,666.00	7,355.00	99.5	5,156.00	1.19	4,442.00	4,920	4/8/2014 14:50	4/8/2014 16:00	201,100
30	5,674.00	7,372.00	99.7	5,086.00	1.18	4,205.00	5,123	4/8/2014 19:23	4/8/2014 20:36	202,200
31	5,311.00	7,354.00	99.8	5,311.00	1.22	4,392.00	4,727	4/8/2014 23:16	4/9/2014 2:29	201,900
32	6,485.00	7,428.00	98.0	4,787.00	1.14	3,862.00	4,787	4/9/2014 4:37	4/9/2014 5:44	202,900
33	6,391.00	7,542.00	98.8	4,766.00	1.14	3,953.00	4,957	4/9/2014 7:49	4/9/2014 8:59	199,900