

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: _____
API #: 47-017-06215

Farm name: Sue Ann Spiker Operator Well No.: 513530

LOCATION: Elevation: 1,254' Quadrangle: Smithburg

District: New Milton County: Doddridge, WV
Latitude: 10.537 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 8.457 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	81
Agent: Cecil Ray	13 3/8	674	674	614
Inspector: Sam Ward	9 5/8	5,346	5,346	2128
Date Permit Issued: 3/22/2013	5 1/2	10,842	10,842	1,587
Date Well Work Commenced: 3/31/2013				
Date Well Work Completed: 4/30/2013				
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): 6,848'				
Total Measured Depth (ft): 10,847'				
Fresh Water Depth (ft.): 106', 576'				
Salt Water Depth (ft.): 2000'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 48', 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) 6,734

Gas: Initial open flow 1,766 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 7,077 MCF/d Final open flow 62 Bbl/d

Time of open flow between initial and final tests 92.75 Hours

Static rock Pressure 1,677 psig (surface pressure) after 92.75 Hours

Second producing formation No second formation Pay zone depth (ft) _____

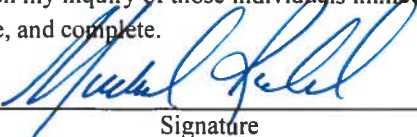
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

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

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, MWD Gamma, Gyro, and 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 stg 7 due to high treating pressures

Screenout stg 20 - ran 2 inj tests and re-perforated; screenout again on stg 20 - ran inj test and did NOT re-perf

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

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
SAND / SHALE	0 / 45 / 45	--	COAL / 45 / 50 / 5
SAND / SHALE	50 / 281 / 231	--	COAL / 281 / 285 / 4
SAND / SHALE	285 / 557 / 272	--	COAL / 557 / 560 / 3
SAND / SHALE	560 / 628 / 68	--	COAL / 628 / 633 / 5
SAND / SHALE	633 / 1,207 / 574	--	COAL / 1,207 / 1,210 / 3
SAND / SHALE	1,210 / 1,376 / 166	--	COAL / 1,376 / 1,381 / 5
SAND / SHALE	1,381 / 2,657 / 1,276	--	GORDON / 2,657 / 3,257 / 600
WARREN	3,257 / 3,336 / 79	--	SPEECHLEY / 3,336 / 3,999 / 663
BALLTOWN B	3,999 / 4,209 / 210	--	BRADFORD / 4,209 / 4,509 / 300
RILEY	4,509 / 4,924 / 415	--	BENSON / 4,924 / 5,183 / 259
ALEXANDER	5,183 / 6,252 / 1,069	--	RHINESTREET / 6,252 / 6,263 / 11
SONYEA	6,263 / 6,332 / 69	--	MIDDLESEX / 6,597 / 6,626 / 29
GENESSEE	6,626 / 6,664 / 38	--	GENESE0 / 6,664 / 6,676 / 12
TULLY	6,676 / 6,702 / 26	--	HAMILTON / 6,702 / 6,734 / 32
Marcellus blk shale	6,734 / 6,848 / 114	--	

513530 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop	12/20/13 9:00	10,814.00	NA	10,814.00	10,817.00	NA
1	12/20/13 10:23	10,679.00	NA	10,676.00	10,768.00	4
2	12/20/13 15:00	10,521.00	10,679.00	10,526.00	10,648.00	4
3	12/21/13 2:17	10,369.00	10,519.00	10,383.00	10,505.00	4
4	12/22/13 11:27	10,219.00	10,369.00	10,233.00	10,355.00	4
5	12/22/13 20:28	10,069.00	10,219.00	10,083.00	10,205.00	4
6	12/23/13 5:58	9,919.00	10,069.00	9,933.00	10,055.00	4
7	12/23/13 12:00	9,754.00	9,919.00	9,783.00	9,905.00	4
7 Re-Perf	12/24/13 0:41	9,754.00	9,919.00	9,768.00	9,805.00	4
8	12/26/13 23:20	9,604.00	9,754.00	9,618.00	9,740.00	4
9	12/27/13 10:30	9,454.00	9,604.00	9,468.00	9,590.00	4
10	12/28/13 4:36	9,304.00	9,454.00	9,318.00	9,440.00	4
11	12/28/13 9:15	9,154.00	9,304.00	9,168.00	9,290.00	4
12	12/28/13 19:31	9,004.00	9,154.00	9,018.00	9,140.00	4
13	12/28/13 23:30	8,854.00	9,004.00	8,868.00	8,990.00	4
14	12/29/13 9:00	8,704.00	8,854.00	8,718.00	8,840.00	4
15	12/29/13 17:33	8,554.00	8,704.00	8,568.00	8,690.00	4
16	12/29/13 22:09	8,404.00	8,554.00	8,418.00	8,540.00	4
17	12/30/13 2:29	8,254.00	8,404.00	8,268.00	8,390.00	4
18	12/30/13 9:20	8,104.00	8,254.00	8,118.00	8,240.00	4
19	12/30/13 16:00	7,954.00	8,104.00	7,968.00	8,090.00	4
20	12/30/13 19:44	7,766.00	7,954.00	7,818.00	7,940.00	4
20 Re-Perf	1/4/14 12:13	7,766.00	7,954.00	7,780.00	7,866.00	4
21	1/10/14 19:12	7,616.00	7,766.00	7,630.00	7,752.00	4
22	1/11/14 3:09	7,466.00	7,616.00	7,480.00	7,602.00	4
23	1/11/14 6:42	NA	7,466.00	7,330.00	7,450.00	4

513530 - 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	8,474.00	15.2	NA	NA	NA	884	12/20/2013 0:02	12/20/2013 3:18	NA
1	6,070.00	8,422.00	80.9	4,885.00	1.15	3,304.00	6,329	12/20/2013 23:46	12/21/2013 1:54	189,600
2	5,673.00	8,329.00	91.7	5,238.00	1.2	3,996.00	8,345	12/21/2013 17:13	12/22/2013 0:07	199,800
3	6,216.00	8,278.00	99.8	5,298.00	1.21	4,296.00	5,338	12/22/2013 7:26	12/22/2013 8:50	198,000
4	5,557.00	8,170.00	100.1	5,298.00	1.21	4,262.00	5,378	12/22/2013 17:08	12/22/2013 18:22	199,800
5	5,135.00	8,415.00	87.9	4,929.00	1.16	3,405.00	6,061	12/23/2013 2:06	12/23/2013 3:37	201,000
6	5,570.00	8,389.00	96.1	5,096.00	1.18	3,973.00	5,318	12/23/2013 8:20	12/23/2013 9:38	201,500
7	NA	NA	NA	NA	NA	NA	2,706	12/23/2013 20:30	12/23/2013 22:08	2,700
7A	6,037.00	8,308.00	84.4	5,251.00	1.2	3,989.00	6,111	12/26/2013 19:50	12/26/2013 21:15	200,900
8	5,422.00	7,944.00	98.5	5,292.00	1.21	4,080.00	5,005	12/27/2013 7:09	12/27/2013 8:42	200,900
9	6,060.00	8,293.00	99.5	5,151.00	1.19	4,212.00	4,905	12/28/2013 1:26	12/28/2013 2:35	198,100
10	5,816.00	8,069.00	99.4	5,131.00	1.18	4,393.00	5,024	12/28/2013 6:11	12/28/2013 7:21	200,600
11	6,156.00	8,119.00	99.4	5,099.00	1.18	3,997.00	4,972	12/28/2013 16:51	12/28/2013 18:01	201,500
12	6,088.00	7,970.00	100.1	5,052.00	1.18	3,726.00	5,080	12/28/2013 20:59	12/28/2013 22:25	201,100
13	5,663.00	7,673.00	100.4	5,097.00	1.18	3,947.00	5,228	12/29/2013 5:55	12/29/2013 7:06	202,400
14	5,227.00	7,335.00	100.0	5,019.00	1.17	4,179.00	5,031	12/29/2013 14:23	12/29/2013 15:32	201,600
15	5,321.00	7,258.00	100.4	4,905.00	1.16	4,371.00	5,096	12/29/2013 19:38	12/29/2013 20:46	199,700
16	5,266.00	7,257.00	100.5	5,209.00	1.2	3,930.00	5,209	12/29/2013 23:56	12/30/2013 1:01	199,600
17	5,738.00	7,251.00	100.5	4,644.00	1.12	3,748.00	4,924	12/30/2013 8:18	12/30/2013 9:25	200,300
18	5,855.00	7,145.00	100.5	5,132.00	1.19	3,809.00	5,008	12/30/2013 12:45	12/30/2013 13:53	199,900
19	5,449.00	7,030.00	100.6	5,087.00	1.18	4,229.00	5,017	12/30/2013 17:24	12/30/2013 18:31	198,800
20	7,530.00	8,919.00	73.0	NA	NA	NA	1,956	1/2/2014 9:30	1/2/2014 10:19	7,500
20 Inj Test	NA	7,134.00	2.7	NA	NA	NA	329	1/2/2014 14:16	1/2/2014 16:38	NA
20 2nd Inj Test	NA	7,288.00	4.0	6,163.00	NA	4,619.00	931	1/4/2014 0:54	1/4/2014 4:43	NA
20A	NA	7,982.00	75.0	NA	NA	NA	6,481	1/5/2014 15:23	1/5/2014 17:12	118,800
20 Inj Test	NA	5,130.00	8.5	5,290.00	1.2	NA	1,319	1/10/2014 15:07	1/10/2014 17:53	NA
21	5,220.00	8,190.00	91.1	5,084.00	1.18	4,029.00	5,373	1/10/2014 21:43	1/11/2014 1:56	198,400
22	8,491.00	8,170.00	90.0	5,010.00	1.17	3,529.00	4,935	1/11/2014 4:05	1/3/2014 5:15	180,700
23	6,351.00	7,583.00	100.0	4,594.00	1.12	2,740.00	5,307	1/11/2014 8:28	1/11/2014 10:08	200,900