

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: 9/5/2013
API #: 47-017-06216

Farm name: Sue Ann Spiker Operator Well No.: 513532

LOCATION: Elevation: 1254 Quadrangle: Smithburg

District: New Milton County: Doddridge, WV
Latitude: 10.527 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 8.468 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: EQT Production Company

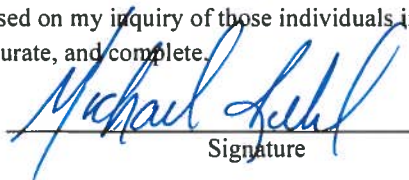
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	20	72	72	81
Agent: Cecil Ray	13 3/8	670	670	614
Inspector: Sam Ward	9 5/8	5,317	5,317	2,141
Date Permit Issued: 3/22/2013	5 1/2	12,640	12,640	2,120
Date Well Work Commenced: 3/28/2013				
Date Well Work Completed: 5/14/2013				
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): 6,795'				
Total Measured Depth (ft): 12,652'				
Fresh Water Depth (ft.): 106', 576'				
Salt Water Depth (ft.): 2,000'				
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) 6,733'
Gas: Initial open flow 1,086 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 8,579 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 88.5 Hours
Static rock Pressure 2,139 psig (surface pressure) after 88.5 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

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

Re-perforated Stages 5 (5.1), 10 (10.1), 20 (20.1), 22 (22.1), 29 (29.1)

Additional injection tests were performed on stages 1 (3 tests), 22, and 29

Stages 10, 10.1 and 11 were combined / Stages 20, 20.1, and 21 were combined

SD during stage 30 and re-started the stage with same perforations (30.1)

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

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

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 / 6,187 / 1,173 --

RHINESTREET / 6,187 / 6,188 / 1 -- SONYEA / 6,188 / 6,571 / 513 --

MIDDLESEX / 6,571 / 6,609 / 38 -- GENESSEE / 6,609 / 6,658 / 383 --

GENESE0 / 6,658 / 6,673 / 15 -- TULLY / 6,673 / 6,700 / 27 --

HAMILTON / 6,700 / 6,733 / 33 -- Marcellus blk shale / 6,733 / 6,795 / 62--

513532 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Initiation Sleeve	3/31/14 4:13	12,477.00	NA	12,612.00	12,615.00	NA
1	3/31/14 6:45	12,477.00	NA	12,491.00	12,583.00	4
2	4/12/14 8:28	13,327.00	12,477.00	12,341.00	12,463.00	4
3	4/12/14 15:53	12,177.00	13,327.00	12,171.00	12,313.00	4
4	4/12/14 20:14	12,027.00	12,177.00	12,041.00	12,163.00	4
5	4/13/14 0:00	12,027.00	12,027.00	11,891.00	12,013.00	4
5.1 (Re-Perf)	4/13/14 4:32	11,877.00	12,027.00	11,896.00	11,928.00	4
6	4/13/14 9:36	11,727.00	11,727.00	11,741.00	11,863.00	4
7	4/13/14 14:10	11,577.00	11,727.00	11,591.00	11,713.00	4
8	4/14/14 6:58	11,427.00	11,577.00	11,441.00	11,563.00	4
9	4/14/14 14:00	11,277.00	11,427.00	11,291.00	11,413.00	4
10	4/14/14 17:13	11,277.00	11,277.00	11,141.00	11,263.00	4
10.1 (Re-Perf)	4/15/14 2:00	11,122.00	11,277.00	11,136.00	11,185.00	4
11	4/15/14 11:52	10,972.00	11,122.00	10,986.00	11,108.00	4
12	4/15/14 16:56	10,822.00	10,972.00	10,836.00	10,958.00	4
13	4/15/14 20:45	10,672.00	10,822.00	10,686.00	10,808.00	4
14	4/16/14 0:48	10,522.00	10,672.00	10,536.00	10,658.00	4
15	4/16/14 6:03	10,372.00	10,522.00	10,386.00	10,508.00	4
16	4/16/14 14:55	10,222.00	10,372.00	10,236.00	10,358.00	4
17	4/16/14 18:55	10,072.00	10,222.00	10,086.00	10,208.00	4
18	4/16/14 22:51	9,922.00	10,072.00	9,936.00	10,058.00	4
19	4/17/14 3:27	9,772.00	9,922.00	9,786.00	9,908.00	4
20	4/17/14 9:56	9,772.00	9,772.00	9,636.00	9,758.00	4
20.1 (Re-Perf)	4/18/14 5:00	9,772.00	9,772.00	9,630.00	9,697.00	4
21	4/18/14 8:00	9,472.00	9,772.00	9,486.00	9,608.00	4
22	4/18/14 13:55	9,472.00	9,472.00	9,336.00	9,458.00	4
22.1 (Re-Perf)	4/18/14 20:00	9,159.00	9,472.00	9,271.00	9,339.00	4
23	4/19/14 7:46	9,009.00	9,159.00	9,023.00	9,145.00	4
24	4/19/14 11:14	8,859.00	9,009.00	8,873.00	8,995.00	4
25	4/19/14 15:15	8,709.00	8,859.00	8,723.00	8,845.00	4
26	4/19/14 19:30	8,559.00	8,709.00	8,573.00	8,695.00	4
27	4/20/14 0:02	8,409.00	8,559.00	8,423.00	8,545.00	4
28	4/20/14 4:21	8,259.00	8,409.00	8,273.00	8,275.00	4
29	4/20/14 8:58	8,259.00	8,259.00	8,123.00	8,245.00	4
29.1 (Re-Perf)	4/20/14 15:38	8,067.00	8,259.00	8,078.00	8,170.00	4
30	4/21/14 10:00	8,067.00	8,067.00	7,928.00	8,050.00	4
31	4/21/14 20:52	7,764.00	7,914.00	7,778.00	7,900.00	4
32	4/22/14 0:36	7,614.00	7,764.00	7,628.00	7,750.00	4
33	4/22/14 4:15	7,464.00	7,614.00	7,478.00	7,600.00	4
34	4/22/14 9:15	7,314.00	7,464.00	7,328.00	7,450.00	4
35	4/22/14 13:40	NA	7,314.00	7,178.00	7,300.00	4

513532 - 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)
Initiation Sleeve	NA	7,472.00	18.7	NA	NA	NA	641	3/30/2014 3:22	3/30/2014 5:04	NA
1	6,645.00	8,330.00	89.8	7,011.00	1.47	NA	4,800	3/31/2014 9:19	3/31/2014 10:43	199,800
Inj Test (1)	NA	6,678.00	4.2	NA	NA	NA	556	3/31/2014 23:55	3/31/2014 2:24	0
Inj Test (2)	NA	6,436.00	2.8	9,468.00	1.83	NA	151	4/1/2014 7:27	4/1/2014 8:21	0
Inj Test (3)	NA	6,453.00	12.1	5,925.00	1.3	3,926.00	1,769	4/11/2014 7:04	4/11/2014 9:31	0
2	5,984.00	8,575.00	85.5	4,951.00	1.16	4,939.00	5,856	4/12/2014 10:21	4/12/2014 12:01	201,300
3	5,855.00	8,638.00	89.2	4,864.00	1.15	3,437.00	5,050	4/12/2014 17:25	4/12/2014 18:50	201,000
4	6,648.00	8,838.00	83.2	4,763.00	1.13	3,500.00	5,011	4/12/2014 21:45	4/12/2014 23:07	198,900
5	5,936.00	9,024.00	61.1	4,825.00	1.14	3,314.00	3,266	4/13/2014 1:44	4/13/2014 2:57	89,700
5.1 (Re-Perf)	NA	8,202.00	95.0	5,646.00	1.26	4,011.00	3,809	4/13/2014 7:03	4/13/2014 8:01	108,200
6	6,320.00	8,188.00	95.1	5,481.00	1.124	4,166.00	5,133	4/13/2014 10:56	4/13/2014 12:17	199,400
7	6,112.00	8,095.00	99.9	5,196.00	1.2	3,557.00	4,716	4/14/2014 4:19	4/14/2014 05:30	200,300
8	6,076.00	8,031.00	94.8	5,251.00	1.21	3,651.00	5,072	4/14/2014 10:08	4/14/2014 11:28	200,200
9	6,044.00	8,391.00	91.5	5,408.00	1.23	4,008.00	5,105	4/14/2014 14:21	4/14/2014 15:45	199,700
10	5,925.00	9,015.00	25.6	5,270.00	1.21	NA	2,470	4/14/2014 18:37	4/14/2014 12:54	3,700
10.1 (Re-Perf)	NA	8,480.00	69.7	5,777.00	1.28	4,530.00	2,240	4/15/2014 5:31	4/15/2014 6:13	9,200
11	NA	8,130.00	95.1	5,424.00	1.23	3,812.00	8,950	4/15/2014 13:19	4/15/2014 15:22	393,500
12	6,181.00	7,896.00	98.2	5,402.00	1.23	3,832.00	4,989	4/15/2014 18:35	4/15/2014 19:50	201,300
13	5,943.00	8,409.00	81.4	5,557.00	1.25	4,049.00	4,795	4/15/2014 23:01	4/15/2014 0:12	201,400
14	6,307.00	8,210.00	95.3	5,170.00	1.2	3,667.00	4,756	4/16/2014 3:12	4/16/2014 4:23	200,100
15	6,293.00	7,796.00	98.7	4,866.00	1.15	3,699.00	5,204	4/16/2014 11:54	4/16/2014 13:09	199,500
16	6,004.00	8,172.00	93.0	5,850.00	1.3	3,714.00	5,139	4/16/2014 16:54	4/16/2014 18:09	201,600
17	6,428.00	7,895.00	97.9	5,768.00	1.28	3,937.00	4,663	4/16/2014 21:10	4/16/2014 22:18	201,300
18	6,924.00	7,790.00	98.4	5,284.00	1.21	3,994.00	4,762	4/17/2014 1:42	4/17/2014 2:51	199,100
19	6,258.00	8,039.00	83.0	5,431.00	1.23	4,201.00	6,750	4/17/2014 6:43	4/17/2014 8:17	198,500
20	6,184.00	7,862.00	42.6	NA	NA	NA	2,482	4/18/2014 1:48	4/18/2014 3:08	4,900
20.1 (Re-Perf)	NA	8,386.00	46.8	6,352.00	1.37	NA	1,024	4/18/2014 6:22	4/18/2014 6:55	900
21	NA	7,587.00	97.8	4,898.00	1.16	3,870.00	9,592	4/18/2014 10:26	4/18/2014 12:43	378,800
22	6,438.00	7,526.00	67.8	4,924.00	1.16	NA	1,449	4/18/2014 17:53	4/18/2014 19:38	1,300
22.1 (Re-Perf)	NA	7,997.00	94.4	NA	NA	NA	4,864	4/18/2014 23:05	4/18/2014 12:28	204,900
Inj Test	NA	4,632.00	16.8	4,932.00	1.16	NA	1,555	4/19/2014 4:42	4/19/2014 6:14	0
23	6,373.00	8,096.00	100.5	5,314.00	1.22	4,171.00	4,794	4/19/2014 8:50	4/19/2014 9:59	198,400
24	6,374.00	7,994.00	92.1	5,297.00	1.21	4,171.00	5,132	4/19/2014 12:34	4/19/2014 13:49	203,300
25	6,622.00	7,408.00	88.4	4,931.00	1.16	3,408.00	5,469	4/19/2014 17:47	4/19/2014 19:18	200,100
26	6,630.00	7,725.00	92.3	5,532.00	1.25	4,157.00	4,938	4/19/2014 22:00	4/19/2014 23:13	201,200
27	6,874.00	8,020.00	93.5	4,993.00	1.17	3,943.00	4,897	4/20/2014 2:22	4/20/2014 3:32	200,400
28	5,889.00	8,445.00	95.2	4,457.00	1.09	3,431.00	5,186	4/20/2014 6:39	4/20/2014 7:53	198,400
29	6,703.00	7,686.00	54.3	5,068.00	1.18	NA	2,349	4/20/2014 12:55	4/20/2014 13:48	2,500
29.1 (Re-Perf)	NA	8,253.00	94.2	NA	NA	NA	5,457	4/20/2014 17:12	4/20/2014 18:56	164,400
Inj Test	NA	4,357.00	12.7	NA	NA	NA	1,183	4/20/2014 22:03	4/20/2014 23:36	0
30	6,335.00	7,869.00	14.6	NA	NA	NA	1,424	4/21/2014 12:14	4/21/2014 13:54	1,100
30.1 (Re-Start)	NA	7,726.00	90.9	5,239.00	1.2	3,560.00	5,128	4/21/2014 16:45	4/21/2014 20:07	202,100
31	5,982.00	7,693.00	96.3	5,256.00	1.21	3,248.00	4,730	4/21/2014 22:49	4/21/2014 23:55	204,100
32	5,920.00	7,503.00	95.4	5,089.00	1.18	3,844.00	4,740	4/22/2014 2:23	4/22/2014 3:29	201,600
33	5,441.00	7,043.00	99.5	4,814.00	1.14	4,038.00	5,102	4/22/2014 7:01	4/22/2014 8:09	207,500
34	5,878.00	7,036.00	100.3	4,675.00	1.12	3,842.00	5,030	4/22/2014 11:20	4/22/2014 12:26	203,300
35	5,930.00	7,399.00	94.2	4,372.00	1.09	3,333.00	5,618	4/22/2014 14:51	4/22/2014 17:08	206,600