

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: 9/4/2013
API #: 47-103-02619

Farm name: Richard Underwood Operator Well No.: 513133

LOCATION: Elevation: 941' Quadrangle: Big Run

District: Grant County: Wetzel, WV
Latitude: 6,100 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 10,100 Feet West of 80 Deg. 30 Min. 00 Sec.

Company: EQT Production Company

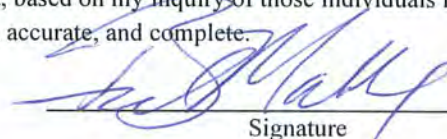
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	30	65	65	165
Agent: Cecil Ray	13 3/8	767	767	1,015
Inspector: David Scranage	9 5/8	3,137	3,137	1,528
Date Permit Issued: 1/26/2011	5 1/2	10,050	10,050	1,544
Date Well Work Commenced: 1/20/2013				
Date Well Work Completed: 5/2/2013				
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): 7,243'				
Total Measured Depth (ft): 10,062'				
Fresh Water Depth (ft.): 80', 657'				
Salt Water Depth (ft.): 1,543'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 200', 457', 542', 630'				
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) 7,086
Gas: Initial open flow NA MCF/d Oil: Initial open flow NA Bbl/d
Final open flow NA MCF/d Final open flow NA Bbl/d
Time of open flow between initial and final tests NA Hours
Static rock Pressure NA psig (surface pressure) after NA 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

9/4/2013
Date

03/07/2014

Enforcement Section

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, 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

No FB data at this time - will send amended report once well is flowed back

Stage 5 screenout during flush - performed injection test (5.1)

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

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			

SAND / SHALE / / 200 / 200 -- COAL / 200 / 203 / 3 --

SAND / SHALE / 203 / 457 / 254 -- COAL / 457 / 460 / 3 -- SAND / SHALE / 460 / 542 / 82 --

COAL / 542 / 546 / 4 -- SAND / SHALE / 546 / 630 / 84 -- COAL / 630 / 636 / 6 --

SAND / SHALE / 636 / 1,732 / 1,096 -- MAXTON / 1,732 / 1,853 / 121 -- BIG LIME / 1,853 / 2,220 / 367 --

WEIR / 2,220 / 2,425 / 205 -- GANTZ / 2,425 / 2,540 / 115 -- 50F / 2,540 / 2,618 / 78 --

30F / 2,618 / 2,668 / 50 -- GORDON / 2,668 / 2,735 / 67 -- 4TH / 2,735 / 2,841 / 106 --

BAYARD / 2,841 / 3,327 / 486 -- WARREN / 3,327 / 3,469 / 142 -- SPEECHLEY / 3,469 / 3,855 / 386 --

BALLTOWN A / 3,855 / 4,314 / 459 -- RILEY / 4,314 / 4,938 / 624 -- BENSON / 4,938 / 5,356 / 418 --

ALEXANDER / 5,356 / 6,480 / 1,124 -- SONYEA / 6,480 / 6,783 / 303 -- MIDDLESEX / 6,783 / 6,839 / 56 --

GENESSEE / 6,839 / 6,936 / 97 -- GENESEO / 6,936 / 6,959 / 23 -- TULLY / 6,959 / 6,979 / 20 --

HAMILTON / 6,979 / 7,086 / 107 -- MARCELLUS / 7,086 / 7,243 / 157 --

513133 - Perforations

Zone/Stage	Date	Top Plug Depth (ft:KB)	Bottom Plug Depth (ft:KB)	Top Perf Depth (ft:KB)	Bottom Perf Depth (ft:KB)	Shots/ft
Toe Pop	11/12/13 22:04	9,871.00	NA	10,022.00	10,026.00	NA
1	11/13/13 1:37	9,871.00	NA	9,885.00	9,977.00	4
2	11/13/13 8:55	9,721.00	9,871.00	9,735.00	9,857.00	4
3	11/13/13 12:34	9,571.00	9,721.00	9,585.00	9,707.00	4
4	11/13/13 16:00	9,421.00	9,571.00	9,435.00	9,557.00	4
5	11/13/13 21:00	9,271.00	9,421.00	9,285.00	9,404.00	4
5.1	11/13/13 21:00	9,271.00	9,421.00	9,285.00	9,404.00	4
6	11/14/13 7:54	9,121.00	9,271.00	9,135.00	9,257.00	4
7	11/14/13 11:15	8,971.00	9,121.00	8,985.00	9,107.00	4
8	11/14/13 14:40	8,821.00	8,971.00	8,838.00	8,957.00	4
9	11/14/13 18:10	8,671.00	8,821.00	8,685.00	8,807.00	4
10	11/14/13 22:38	8,521.00	8,671.00	8,535.00	8,657.00	4
11	11/15/13 3:06	8,371.00	8,521.00	8,385.00	8,507.00	4
12	11/15/13 8:46	8,221.00	8,371.00	8,235.00	8,357.00	4
13	11/15/13 12:09	8,071.00	8,221.00	8,085.00	8,207.00	4
14	11/15/13 15:45	7,921.00	8,071.00	7,935.00	8,057.00	4
15	11/15/13 22:29	7,771.00	7,921.00	7,785.00	7,907.00	4
16	11/16/13 1:52	7,621.00	7,771.00	7,635.00	7,757.00	4
17	11/16/13 5:30	NA	7,621.00	7,485.00	7,607.00	4

513133 - 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	7,621.00	16.9	NA	NA	NA	708	11/12/2013 22:04	11/13/2013 0:09	NA
1	7,984.00	8,614.00	93.3	6,352.00	1.31	5,415.00	4,895	11/13/2013 2:45	11/13/2013 3:57	200,350
2	7,629.00	8,480.00	91.8	6,612.00	1.35	5,736.00	4,830	11/13/2013 10:06	11/13/2013 11:19	200,099
3	8,638.00	8,558.00	81.2	6,814.00	1.38	5,952.00	5,048	11/13/2013 14:19	11/13/2013 15:43	200,980
4	7,125.00	8,534.00	100.5	6,586.00	1.35	6,063.00	5,237	11/13/2013 18:04	11/13/2013 19:26	202,652
5	6,987.00	8,521.00	96.0	6,824.00	1.38	NA	4,857	11/13/2013 22:28	11/13/2013 23:42	201,299
5.1	NA	6,663.00	7.9	6,748.00	NA	NA	1,427	11/14/2013 2:17	11/14/2013 5:18	NA
6	6,772.00	8,187.00	98.0	6,159.00	1.29	5,277.00	5,014	11/14/2013 8:49	11/14/2013 10:21	202,370
7	7,451.00	8,229.00	99.9	6,374.00	1.32	5,738.00	5,029	11/14/2013 12:18	11/14/2013 13:29	199,720
8	7,015.00	8,301.00	98.6	6,318.00	1.32	5,462.00	5,066	11/14/2013 15:40	11/14/2013 16:52	200,174
9	6,518.00	7,940.00	100.5	6,043.00	1.28	5,223.00	4,951	11/14/2013 20:09	11/14/2013 21:17	199,805
10	6,465.00	8,032.00	100.5	6,281.00	1.31	5,213.00	4,976	11/15/2013 0:24	11/15/2013 1:32	203,296
11	7,638.00	8,058.00	100.6	6,161.00	1.3	5,312.00	5,023	11/15/2013 5:18	11/15/2013 6:28	201,766
12	7,022.00	8,144.00	100.5	6,305.00	1.32	5,452.00	5,212	11/15/2013 9:52	11/15/2013 11:03	200,013
13	7,533.00	8,069.00	100.3	6,457.00	1.34	6,457.00	5,044	11/15/2013 13:31	11/15/2013 14:40	200,684
14	6,830.00	8,050.00	100.6	5,958.00	1.27	5,425.00	5,586	11/15/2013 19:54	11/15/2013 21:09	192,384
15	7,504.00	8,057.00	100.5	6,416.00	1.34	5,589.00	4,940	11/15/2013 23:28	11/16/2013 0:34	201,709
16	7,984.00	7,960.00	100.3	6,340.00	1.32	5,558.00	4,937	11/16/2013 3:07	11/16/2013 4:13	200,745
17	6,841.00	8,310.00	99.4	6,314.00	1.32	5,511.00	5,093	11/16/2013 8:06	11/16/2013 9:16	201,313