

JK

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 #: 47-103-02616

Farm name: J.M. Allen Operator Well No.: 511422

LOCATION: Elevation: 941' Quadrangle: Big Run

District: Grant County: Wetzel, WV
Latitude: 10,120 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 5,140 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	68	68	173
Agent: Cecil Ray	13 3/8	892	892	1,711
Inspector: David Scranage	9 5/8	3,211	3,211	2,326
Date Permit Issued: 1/20/2011	5 1/2	9,844	9,844	1,457
Date Well Work Commenced: 1/19/2013				
Date Well Work Completed: 4/7/2013				
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): 7,240'				
Total Measured Depth (ft): 9,865'				
Fresh Water Depth (ft.): 80', 657'				
Salt Water Depth (ft.): 1,508'				
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) 7,088
Gas: Initial open flow TBD MCF/d Oil: Initial open flow TBD Bbl/d
Final open flow TBD MCF/d Final open flow TBD Bbl/d
Time of open flow between initial and final tests TBD Hours
Static rock Pressure TBD psig (surface pressure) after TBD 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

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JAN 21 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

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

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, Open Hole, MWD Gamma, Gyro, and CBL logs.
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

Plug Back Details Including Plug Type and Depth(s): Solid cement plug pumped from 7,240' to 6,375'.

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

SAND / SHALE / 0 / 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 / 6,577 / 1,221 -- RHINESTREET / 6,577 / 6,638 / 61 -- SONYEA / 6638 / 6,787 / 149 --

MIDDLESEX / 6787 / 6844 / 57 -- GENESSEE / 6,844 / 6,936 / 92 --

GENESEO / 6,936 / 6,964 / 37 -- TULLY / 6,964 / 6,990 / 26 --

HAMILTON / 6,990 / 7,088 / -- Marcellus blk shale / 7,088 / 7,140 / 52 -- Onondaga / 7,140 / 7,240 / 100

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511422 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop	11/1/13 1:49	9,816.00	NA	9,816.00	9,819.00	NA
1	11/1/13 5:54	9,816.00	NA	9,678.00	9,816.00	4
2	11/1/13 9:36	9,514.00	9,664.00	9,528.00	9,650.00	4
3	11/1/13 13:41	9,364.00	9,514.00	9,378.00	9,500.00	4
4	11/1/13 17:24	9,214.00	9,364.00	9,228.00	9,350.00	4
5	11/1/13 21:39	9,064.00	9,214.00	9,078.00	9,200.00	4
6	11/2/13 1:18	8,914.00	9,064.00	8,928.00	9,050.00	4
7	11/2/13 5:24	8,764.00	8,914.00	8,778.00	8,900.00	4
8	11/2/13 11:01	8,614.00	8,764.00	8,628.00	8,750.00	4
9	11/2/13 14:52	8,464.00	8,614.00	8,478.00	8,600.00	4
10	11/2/13 19:54	8,314.00	8,464.00	8,328.00	8,450.00	4
11	11/3/13 0:29	8,164.00	8,314.00	8,178.00	8,300.00	4
12	11/3/13 3:51	8,014.00	8,164.00	8,028.00	8,150.00	4
13	11/3/13 9:06	7,864.00	8,014.00	7,878.00	8,000.00	4
14	11/3/13 13:01	7,714.00	7,864.00	7,728.00	7,850.00	4
15	11/3/13 16:43	7,564.00	7,714.00	7,578.00	7,700.00	4
16	11/3/13 20:18	7,414.00	7,564.00	7,428.00	7,550.00	4
17	11/4/13 0:09	NA	7,414.00	7,278.00	7,400.00	4

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511422 - Stimulated Stages

Zone/Stage	P Break (psi)	Avg Treat Pressure (psi)	Avg rate (bbi/min)	ISIP (psi)	Frac Gradient (psi/ft)	15 Min. SIP (psi)	Fluid Volume (bbi)	Start Date	End Date	Proppant (lb)
Toe Pop	NA	7,961.00	18	NA	NA	NA	844	10/1/2013 1:49	11/1/2013 2:16	NA
1	8,490.00	8,087.00	100.3	5,009.00	1.14	3,864.00	5,042	11/1/2013 7:06	11/1/2013 8:08	199,676
2	6,623.00	8,081.00	100.5	5,762.00	1.24	4,290.00	5,010	11/1/2013 11:12	11/1/2013 12:20	200,352
3	7,467.00	8,219.00	100.4	6,061.00	1.28	4,904.00	4,983	11/1/2013 14:50	11/1/2013 15:58	200,190
4	6,732.00	8,105.00	100.2	6,277.00	1.31	4,809.00	4,771	11/1/2013 19:08	11/1/2013 20:14	200,860
5	6,685.00	8,179.00	100	6,523.00	1.35	4,552.00	4,866	11/1/2013 22:56	11/2/2013 0:03	199,891
6	6,557.00	8,219.00	100.3	6,396.00	1.31	4,814.00	4,847	11/2/2013 2:46	11/2/2013 3:51	199,864
7	6,388.00	8,012.00	100.6	6,006.00	1.28	4,411.00	5,048	11/2/2013 8:22	11/2/2013 9:30	200,922
8	6,292.00	7,878.00	100.3	6,097.00	1.29	4,931.00	5,076	11/2/2013 12:07	11/2/2013 13:16	198,975
9	6,740.00	8,041.00	100.5	6,050.00	1.28	5,146.00	4,957	11/2/2013 17:20	11/2/2013 18:28	200,334
10	6,619.00	8,127.00	99.3	6,154.00	1.3	5,220.00	5,087	11/2/2013 22:01	11/2/2013 23:11	201,942
11	6,028.00	7,953.00	100.3	5,852.00	1.23	4,891.00	4,945	11/3/2013 1:29	11/3/2013 2:36	200,079
12	6,340.00	7,791.00	100.3	6,042.00	1.28	5,123.00	4,939	11/3/2013 5:32	11/3/2013 6:37	202,469
13	6,717.00	8,025.00	100.5	6,340.00	1.32	5,359.00	4,892	11/3/2013 10:02	11/3/2013 11:20	200,079
14	6,316.00	7,752.00	100.5	5,958.00	1.27	4,874.00	4,873	11/3/2013 14:17	11/3/2013 15:21	200,434
15	7,544.00	8,020.00	100.5	6,305.00	1.32	5,175.00	4,938	11/3/2013 18:03	11/3/2013 19:08	201,772
16	6,844.00	7,960.00	100.3	6,244.00	1.31	5,340.00	5,007	11/3/2013 21:26	11/3/2013 22:31	200,090
17	7,905.00	7,788.00	97.5	5,094.00	1.15	4,800.00	5,081	11/4/2013 1:13	11/4/2013 2:30	200,438

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