

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: 1/15/2014
API #: 47-1706200

HGX

Farm name: Eleanor Meyer Operator Well No.: 513769

LOCATION: Elevation: 1068 Quadrangle: West Union 7.5

District: West Union County: Doddridge
Latitude: 7.944 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 5.202 Feet West of 80 Deg. 47 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	20"	40'	40'	45
625 LIBERTY AVE, PITTSBURGH, PA 15222	13-3/8"	761'	761'	714
Agent: Rex C. Ray	9-5/8"	2981'	2981'	1251
Inspector: Sam Ward	5-1/2"	14738'	14738'	3209
Date Permit Issued: 04/24/2013				
Date Well Work Commenced: 6/26/2013				
Date Well Work Completed: 1/15/2014				
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): 6,753'				
Total Measured Depth (ft): 14,744'				
Fresh Water Depth (ft.): 126,271,296, & 649				
Salt Water Depth (ft.): 1702 & 1851				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 220-227 & 837-840				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) 6,643

Gas: Initial open flow 8,304 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 7,152 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 59.75 Hours

Static rock Pressure 2,912 psig (surface pressure) after 67 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

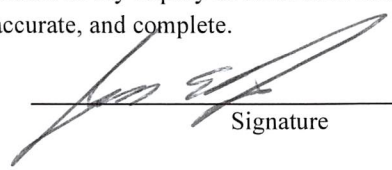
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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

6/26/2014
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 MWD, GAMMA, CBL

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:

Performed additional injection tests on stages 24 and 32 due to screenouts

Plug Back Details Including Plug Type and Depth(s):

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

SAND / SHALE 0/ 220/ 220 -- COAL 220/ 227/ 7 -- SAND / SHALE 227/ 837/ 610 -- COAL 837/ 840/ 3 -- SAND / SHALE 840/ 1589/ 749 -- MAXTON 1589/ 1604/ 15

SAND / SHALE 1604/ 1796/ 192 -- BIG LIME 1796/ 1897/ 101 -- BIG INJUN 1897/ 2106/ 209 -- WEIR 2106/ 2206/ 100 -- SAND / SHALE 2206/ 2306/ 100 -- GANTZ 2306/ 2417/ 111

FIFTY FOOT 2417/ 2513/ 96 -- THIRTY FOOT 2513/ 2567/ 54 -- GORDON 2567/ 2658/ 91 -- FORTH SAND 2658/ 2832/ 174 -- BAYARD 2832/ 3336/ 504 -- WARREN 3336/ 3424/ 88

SPEECHLEY 3424/ 4063/ 639 -- BALLTOWN A 4063/ 4558/ 495 -- RILEY 4558/ 4979/ 421 -- BENSON 4979/ 5258/ 279 -- ALEXANDER 5258/ 6299/ 1041

SONYEA 6299/ 6441/ 142 -- MIDDLESEX 6441/ 6494/ 53 -- GENESEE 6494/ 6558/ 64 -- GENESEO 6558/ 6605/ 46 -- TULLY 6605/ 6625/ 20

HAMILTON 6625/ 6643/ 18 -- MARCELLUS 6643/ 6753/ 110

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513769 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop	3/26/14 3:37	14,574.00	NA	14,709.00	14,712.00	NA
1	3/26/14 20:20	14,574.00	NA	14,588.00	14,680.00	4
2	3/27/14 2:26	14,422.00	14,574.00	14,438.00	14,558.00	4
3	3/28/14 7:21	14,274.00	14,422.00	14,288.00	14,410.00	4
4	3/28/14 12:34	14,124.00	14,274.00	14,138.00	14,260.00	4
5	3/28/14 17:02	13,974.00	14,124.00	13,988.00	14,110.00	4
6	3/29/14 2:20	13,824.00	13,974.00	13,838.00	13,960.00	4
7	3/29/14 7:08	13,674.00	13,824.00	13,688.00	13,810.00	4
8	3/29/14 11:34	13,524.00	13,674.00	13,538.00	13,660.00	4
9	3/29/14 15:49	13,374.00	13,524.00	13,388.00	13,510.00	4
10	3/29/14 20:22	13,224.00	13,374.00	13,240.00	13,360.00	4
11	3/30/14 1:30	13,074.00	13,224.00	13,088.00	13,210.00	4
12	3/30/14 6:03	12,924.00	13,074.00	12,938.00	13,060.00	4
13	3/30/14 10:51	12,774.00	12,924.00	12,788.00	12,910.00	4
14	3/30/14 15:11	12,624.00	12,774.00	12,638.00	12,760.00	4
15	3/30/14 20:07	12,474.00	12,624.00	12,488.00	12,610.00	4
16	3/31/14 1:25	12,324.00	12,474.00	12,338.00	12,460.00	4
17	3/31/14 5:39	12,174.00	12,324.00	12,188.00	12,310.00	4
18	3/31/14 10:47	12,024.00	12,174.00	12,038.00	12,160.00	4
19	3/31/14 14:49	11,874.00	12,024.00	11,888.00	12,010.00	4
20	3/31/14 19:19	11,724.00	11,874.00	11,738.00	11,860.00	4
21	3/31/14 23:58	11,574.00	11,724.00	11,588.00	11,710.00	4
22	4/1/14 4:28	11,424.00	11,574.00	11,438.00	11,560.00	4
23	4/1/14 8:35	11,274.00	11,424.00	11,288.00	11,410.00	4
24	4/1/14 12:22	11,124.00	11,274.00	11,138.00	11,260.00	4
25	4/2/14 5:37	10,974.00	11,124.00	10,988.00	11,110.00	4
26	4/2/14 15:52	10,824.00	10,974.00	10,838.00	10,960.00	4
27	4/2/14 21:09	10,674.00	10,824.00	10,688.00	10,810.00	4
28	4/3/14 3:54	10,524.00	10,674.00	10,538.00	10,660.00	4
29	4/3/14 8:20	10,374.00	10,524.00	10,388.00	10,510.00	4
30	4/3/14 11:51	10,224.00	10,374.00	10,238.00	10,360.00	4
31	4/3/14 15:29	10,074.00	10,224.00	10,088.00	10,210.00	4
32	4/3/14 20:35	9,924.00	10,074.00	9,938.00	10,060.00	4
33	4/4/14 12:03	9,774.00	9,924.00	9,788.00	9,910.00	4
34	4/4/14 16:43	9,624.00	9,774.00	9,638.00	9,760.00	4
35	4/4/14 21:25	9,474.00	9,624.00	9,488.00	9,610.00	4
36	4/5/14 1:32	9,324.00	9,474.00	9,338.00	9,460.00	4
37	4/5/14 5:33	9,174.00	9,324.00	9,188.00	9,310.00	4
38	4/5/14 9:46	9,024.00	9,174.00	9,038.00	9,160.00	4
39	4/5/14 13:26	8,874.00	9,024.00	8,888.00	9,010.00	4
40	4/5/14 17:16	8,724.00	8,874.00	8,738.00	8,860.00	4
41	4/5/14 21:24	8,574.00	8,724.00	8,588.00	8,710.00	4
42	4/6/14 1:21	8,424.00	8,574.00	8,438.00	8,560.00	4
43	4/6/14 5:03	8,274.00	8,424.00	8,288.00	8,410.00	4
44	4/6/14 9:23	8,124.00	8,274.00	8,138.00	8,260.00	4
45	4/6/14 12:39	7,974.00	8,124.00	7,988.00	8,110.00	4
46	4/6/14 15:46	7,824.00	7,974.00	7,838.00	7,960.00	4
47	4/6/14 19:40	NA	7,824.00	7,688.00	7,810.00	4

513769 - 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	6,213.00	13.7	NA	NA	NA	803	3/27/2014 6:17	3/27/2014 7:15	NA
1	5,541.00	8,653.00	97.0	5,320.00	1.22	3,976.00	5,077	3/27/2014 23:07	3/28/2014 0:15	202,500
2	5,734.00	8,623.00	99.3	5,226.00	1.21	3,160.00	5,117	3/27/2014 4:13	3/27/2014 5:27	201,400
3	5,554.00	8,373.00	96.4	7,519.00	1.55	3,467.00	5,178	3/27/2014 9:31	3/27/2014 10:49	203,500
4	5,402.00	8,261.00	94.3	5,589.00	1.26	3,787.00	5,033	3/28/2014 14:08	3/28/2014 15:26	201,300
5	5,541.00	8,626.00	99.8	5,163.00	1.1	3,498.00	5,253	3/28/2014 23:28	3/29/2014 0:41	200,100
6	5,703.00	8,615.00	96.9	5,001.00	1.17	4,331.00	5,264	3/29/2014 4:02	3/29/2014 5:18	200,300
7	5,097.00	8,289.00	94.9	5,292.00	1.22	4,203.00	5,043	3/29/2014 8:49	3/29/2014 10:07	200,100
8	5,351.00	8,259.00	94.0	5,124.00	1.19	4,038.00	5,173	3/29/2014 13:02	3/29/2014 14:18	206,300
9	5,454.00	8,494.00	99.9	5,104.00	1.19	3,748.00	5,227	3/29/2014 17:31	3/29/2014 18:46	203,100
10	5,377.00	8,299.00	100.3	5,173.00	1.2	3,781.00	5,334	3/29/2014 22:05	3/29/2014 23:19	199,200
11	5,497.00	8,273.00	100.0	5,190.00	1.2	3,685.00	5,335	3/30/2014 3:15	3/30/2014 4:28	199,400
12	5,272.00	8,221.00	100.9	5,391.00	1.23	3,589.00	4,952	3/30/2014 7:59	3/30/2014 9:10	202,400
13	5,123.00	7,988.00	100.7	5,255.00	1.21	3,595.00	5,493	3/30/2014 12:18	3/30/2014 13:35	199,300
14	5,463.00	8,111.00	100.2	5,067.00	1.18	3,309.00	4,928	3/30/2014 16:43	3/30/2014 17:54	201,200
15	5,515.00	8,318.00	100.0	5,287.00	1.22	3,868.00	5,106	3/30/2014 22:45	3/30/2014 23:57	198,900
16	5,625.00	8,316.00	100.3	4,891.00	1.16	3,255.00	5,309	3/31/2014 2:42	3/31/2014 3:55	200,900
17	5,447.00	8,501.00	96.9	5,841.00	1.3	3,105.00	5,216	3/31/2014 8:11	3/31/2014 9:25	201,000
18	5,177.00	8,164.00	100.7	5,134.00	1.19	3,175.00	5,140	3/31/2014 12:16	3/31/2014 13:28	202,800
19	5,426.00	8,041.00	99.5	5,137.00	1.19	3,378.00	5,079	3/31/2014 16:34	3/31/2014 17:46	192,800
20	5,434.00	8,009.00	100.0	5,184.00	1.2	3,643.00	5,155	4/1/2014 21:22	3/31/2014 22:33	200,800
21	5,441.00	8,364.00	100.0	5,176.00	1.2	4,064.00	5,145	4/1/2014 1:47	4/1/2014 2:58	199,400
22	5,414.00	8,330.00	98.1	5,506.00	1.25	3,282.00	5,203	4/1/2014 6:04	4/1/2014 7:17	200,600
23	5,333.00	8,456.00	94.1	5,356.00	1.23	3,540.00	5,172	4/1/2014 9:51	4/1/2014 11:05	201,400
24	5,653.00	8,261.00	96.3	4,902.00	1.16	NA	4,426	4/1/2014 13:42	4/1/2014 15:00	200,300
Inj Test	NA	4,802.00	6.9	5,448.00	1.24	NA	2,236	4/1/2014 22:50	4/2/2014 4:11	NA
25	5,383.00	8,453.00	99.8	5,294.00	1.22	3,701.00	5,438	4/2/2014 13:11	4/2/2014 14:39	202,000
26	5,221.00	7,887.00	100.3	4,969.00	1.17	3,684.00	5,087	4/2/2014 18:21	4/2/2014 19:27	199,800
27	5,472.00	8,295.00	100.5	5,168.00	1.2	4,000.00	5,049	4/3/2014 0:50	4/3/2014 2:00	200,500
28	5,574.00	8,039.00	101.3	5,478.00	1.24	4,039.00	4,988	4/3/2014 6:03	4/3/2014 7:24	201,400
29	5,518.00	7,997.00	100.2	5,373.00	1.23	4,013.00	4,952	4/3/2014 9:36	4/3/2014 10:56	201,400
30	5,767.00	8,251.00	99.7	5,347.00	1.22	4,004.00	5,031	4/3/2014 12:57	4/3/2014 14:19	200,800
31	5,974.00	8,496.00	88.8	5,327.00	1.22	3,538.00	5,246	4/3/2014 16:50	4/3/2014 18:03	199,400
32	5,848.00	8,307.00	99.4	4,846.00	1.15	NA	4,611	4/3/2014 22:58	4/4/2014 0:32	180,600
Inj Test	NA	5,874.00	8.5	5,632.00	1.27	NA	2,585	4/4/2014 4:11	4/4/2014 9:20	NA
33	5,413.00	7,686.00	100.0	5,271.00	1.21	3,505.00	5,272	4/4/2014 14:16	4/4/2014 15:42	202,500
34	5,761.00	7,716.00	101.0	5,357.00	1.23	3,879.00	4,964	4/4/2014 18:17	4/4/2014 19:26	201,200
35	5,695.00	7,709.00	101.3	5,107.00	1.19	3,231.00	4,918	4/4/2014 23:00	4/4/2014 0:03	201,400
36	5,496.00	7,795.00	101.4	5,370.00	1.23	3,581.00	4,911	4/5/2014 3:07	4/9/2014 1:01	200,700
37	5,400.00	7,677.00	99.8	5,698.00	1.28	3,663.00	5,326	4/5/2014 7:28	4/5/2014 8:53	200,600
38	5,576.00	8,156.00	97.3	5,709.00	1.28	3,486.00	5,372	4/5/2014 11:05	4/5/2014 12:30	202,100
39	5,672.00	8,001.00	100.2	4,782.00	1.14	3,192.00	5,100	4/5/2014 14:44	4/5/2014 16:05	199,300
40	5,386.00	7,374.00	101.4	5,252.00	1.21	3,112.00	4,944	4/5/2014 18:56	4/5/2014 20:02	201,100
41	5,669.00	7,620.00	101.3	5,301.00	1.11	4,073.00	4,924	4/5/2014 22:47	4/5/2014 23:53	201,200
42	5,617.00	7,557.00	101.3	5,323.00	1.22	4,118.00	4,969	4/6/2014 2:43	4/6/2014 3:45	201,000
43	5,559.00	8,395.00	100.3	5,427.00	1.24	4,224.00	5,138	4/6/2014 7:15	4/6/2014 8:35	200,800
44	5,651.00	7,643.00	97.6	5,292.00	1.22	4,345.00	5,517	4/6/2014 10:26	4/6/2014 11:51	201,400
45	5,433.00	7,732.00	100.5	5,489.00	1.25	3,834.00	4,853	4/6/2014 13:42	4/6/2014 15:00	199,600
46	5,353.00	7,666.00	100.0	5,435.00	1.24	3,144.00	4,860	4/6/2014 16:43	4/6/2014 17:45	200,700
47	5,753.00	7,833.00	99.6	5,065.00	1.18	2,717.00	4,845	4/6/2014 21:12	4/6/2014 22:17	201,600

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