

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: 12/10/13  
API #: 47-017-05888

PM JK

Farm name: I.L. Morris Operator Well No.: 512432

LOCATION: Elevation: 1,250' Quadrangle: Oxford

District: Southwest County: Doddridge  
Latitude: 2.425 Feet South of 39 Deg. 12 Min. 30 Sec.  
Longitude 7.180 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EQT Production Company

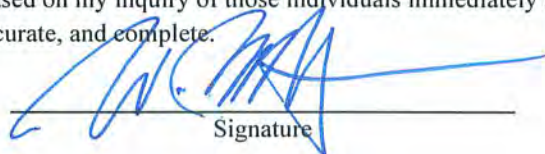
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	20	42	42	40
Agent: Cecil Ray	13 3/8	979	979	909
Inspector: David Scranage	9 5/8	3,147	3,147	1,153
Date Permit Issued: 11/6/09	5 1/2	10,452	10,452	1,381
Date Well Work Commenced: 3/8/10				
Date Well Work Completed: 5/13/10				
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): 6,655'				
Total Measured Depth (ft): 10,452'				
Fresh Water Depth (ft.): 120', 610'				
Salt Water Depth (ft.): 1,470'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 99', 616', 920'				
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) 6,644  
Gas: Initial open flow 1,368 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 10,333 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 38 Hours  
Static rock Pressure 1,208 psig (surface pressure) after 41.5 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

3/11/2014  
Date

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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 MWD, Gamma, & 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**

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

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

SAND / SHALE / / 99 / 99 -- FRESH WATER ZONE / 1 / 610 / 609 -- COAL / 99 / 103 / 4 --  
SAND / SHALE / 103 / 616 / 513 -- COAL / 616 / 620 / 4 -- SAND / SHALE / 620 / 920 / 300 --  
COAL / 920 / 924 / 4 -- SAND / SHALE / 924 / 1,746.8 / 822.8 -- MAXTON / 1,746.84 / 1,942.9 / 196.06 --  
BIG LIME / 1,942.9 / 2,003.56 / 60.66 -- KEENER / 2,003.56 / 2,031.72 / 28.16 -- BIG INJUN / 2,031.72 / 2,242.94 / 211.22 --  
WEIR / 2,242.94 / 2,441.16 / 198.22 -- BEREA / 2,441.16 / 2,449.83 / 8.67 -- GANTZ / 2,449.83 / 2,520.24 / 70.41 --  
50F / 2,520.24 / 2,632.89 / 112.65 -- 30F / 2,632.89 / 2,683.8 / 50.91 -- GORDON / 2,683.8 / 2,792.11 / 108.31 --  
4TH / 2,792.11 / 2,931.84 / 139.73 -- 5TH / 2,931.84 / 2,974.09 / 42.25 -- BAYARD / 2,974.09 / 3,305.9 / 331.81 --  
WARREN / 3,305.9 / 3,381.6 / 75.7 -- SPEECHLEY / 3,381.6 / 3,879.35 / 497.75 -- BALLTOWN A / 3,879.35 / 4,026.15 / 146.8 --  
BALLTOWN B / 4,026.15 / 4,264.7 / 238.55 -- BRADFORD / 4,264.7 / 4,504.02 / 239.32 -- RILEY / 4,504.02 / 4,927.61 / 423.59 --  
BENSON / 4,927.61 / 5,172.05 / 244.44 -- ALEXANDER / 5,172.05 / 6,304.66 / 1,132.61 -- SONYEA / 6,304.66 / 6,455.06 / 150.4 --  
MIDDLESEX / 6,455.06 / 6,508.66 / 53.6 -- GENESSEE / 6,508.66 / 6,581.27 / 72.61 -- GENESEO / 6,581.27 / 6,616.19 / 34.92 --  
TULLY / 6,616.19 / 6,631.88 / 15.69 -- HAMILTON / 6,631.88 / 6,644.83 / 12.95 -- MARCELLUS BLK SHALE / 6,644.83 / 6,655 / 10.17 --

**512432 - Perforations**

<b>Zone/Stage</b>	<b>Date</b>	<b>Top Plug Depth (ftKB)</b>	<b>Bottom Plug Depth (ftKB)</b>	<b>Top Perf Depth (ftKB)</b>	<b>Bottom Perf Depth (ftKB)</b>	<b>Shots/ft</b>
1	7/10/2010	10,145.00	NA	10,159.00	10,401.00	4
2	6/2/2011	9,995.00	10,145.00	10,009.00	10,131.00	4
3	6/2/2011	9,845.00	9,995.00	9,859.00	9,981.00	4
4	6/3/2011	9,695.00	9,845.00	9,709.00	9,831.00	4
5	6/4/2011	9,545.00	9,695.00	9,559.00	9,681.00	4
6	6/4/2011	9,395.00	9,545.00	9,409.00	9,531.00	4
7	6/5/2011	9,245.00	9,395.00	9,259.00	9,381.00	4
8	6/5/2011	9,095.00	9,245.00	9,109.00	9,231.00	4
9	6/6/2011	8,945.00	9,095.00	8,959.00	9,081.00	4
10	6/6/2011	8,795.00	8,945.00	8,809.00	8,931.00	4
11	6/7/2011	8,645.00	8,795.00	8,659.00	8,781.00	4
12	6/7/2011	8,495.00	8,645.00	8,509.00	8,631.00	4
13	6/7/2011	8,345.00	8,495.00	8,359.00	8,481.00	4
14	6/8/2011	8,195.00	8,345.00	8,209.00	8,331.00	4
15	6/8/2011	8,045.00	8,195.00	8,059.00	8,181.00	4
16	6/8/2011	7,895.00	8,045.00	7,909.00	8,031.00	4
17	6/9/2011	7,745.00	7,895.00	7,759.00	7,881.00	4
18	6/9/2011	7,595.00	7,745.00	7,609.00	7,731.00	4
19	6/9/2011	7,445.00	7,595.00	7,459.00	7,581.00	4
20	6/10/2011	7,295.00	7,445.00	7,309.00	7,431.00	4
21	6/10/2011	NA	7,295.00	7,159.00	7,281.00	4

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**512432 - Stimulated Stages**

<b>Zone/Stage</b>	<b>P Break (psi)</b>	<b>Avg Treat Pressure (psi)</b>	<b>Avg rate (bbl/min)</b>	<b>ISIP (psi)</b>	<b>15 Min. SIP (psi)</b>	<b>Fluid Volume (bbl)</b>	<b>Date</b>	<b>Proppant (lb)</b>
1	4,561.00	7,689.00	100.0	5,210.00	1,950.00	8,789	6/1/2011	257,890
2	4,692.00	7,124.00	101.0	3,585.00	1,901.00	5,996	6/2/2011	200,450
3	5,148.00	7,889.00	85.0	5,693.00	1,901.00	6,281	6/3/2011	197,286
4	4,843.00	7,698.00	85.0	5,947.00	3,282.00	6,750	6/4/2011	199,678
5	4,830.00	7,802.00	99.0	4,904.00	3,000.00	5,685	6/5/2011	196,251
6	4,442.00	7,380.00	101.0	5,205.00	2,333.00	5,969	6/5/2011	203,229
7	4,787.00	7,325.00	101.0	4,904.00	2,448.00	5,488	6/5/2011	199,399
8	4,760.00	7,891.00	97.0	4,885.00	2,680.00	5,564	6/6/2011	199,819
9	4,985.00	7,378.00	103.0	4,985.00	2,308.00	5,241	6/6/2011	206,711
10	5,150.00	7,371.00	101.0	4,844.00	2,524.00	5,255	6/6/2011	203,006
11	4,781.00	7,851.00	92.0	5,577.00	3,425.00	5,830	6/7/2011	201,464
12	4,469.00	7,785.00	104.0	4,308.00	2,885.00	6,165	6/7/2011	192,638
13	5,256.00	6,268.00	99.0	3,872.00	2,480.00	6,417	6/7/2011	223,318
14	5,016.00	6,433.00	98.0	3,341.00	2,710.00	6,417	6/8/2011	201,421
15	6,251.00	6,703.00	98.0	3,521.00	2,924.00	5,655	6/8/2011	208,814
16	6,409.00	6,382.00	98.0	3,710.00	2,930.00	5,655	6/9/2011	205,676
17	5,794.00	6,848.00	99.0	4,781.00	2,978.00	5,268	6/9/2011	201,668
18	4,912.00	6,671.00	100.0	4,672.00	2,815.00	5,291	6/9/2011	202,217
19	5,500.00	7,400.00	100.0	5,656.00	2,548.00	5,251	6/10/2011	200,256
20	5,355.00	7,550.00	100.0	5,735.00	2,852.00	5,191	6/10/2011	192,707
21	4,647.00	8,200.00	47.0	6,200.00	2,695.00	5,129	6/10/2011	13,361

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