

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 #: 47-017-05881

PM  
JR

Farm name: I.L. Morris Operator Well No.: 512448

LOCATION: Elevation: 1,250' Quadrangle: Oxford

District: Southwest County: Doddridge, WV  
Latitude: 2,395' 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

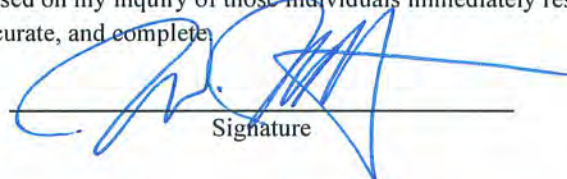
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	20	42	42	40
Agent: Cecil Ray	13 3/8	981	981	795
Inspector: David Scranage	9 5/8	3,143	3,143	1,136
Date Permit Issued: 10/27/2009	5 1/2	12,080	12,080	2,001
Date Well Work Commenced: 3/19/10				
Date Well Work Completed: 6/16/10				
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): 6,686'				
Total Measured Depth (ft): 12,085'				
Fresh Water Depth (ft.): 108', 598'				
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 9,325 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 8,357 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 39.5 Hours  
Static rock Pressure 1,112 psig (surface pressure) after 44.5 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
<u>Surface:</u>			

Sand / Shale / 0 / 99 / 99 -- 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 -- Big Injun / 2,031.72 / 2,242.94 / 211.22 -- Weir / 2,242.94 / 2,441.16 / 198.22 --

Gantz / 2,449.83 / 2,520.24 / 70.41 -- Fifty foot / 2,520.24 / 2,632.89 / 112.65 -- Thirty foot / 2,632.89 / 2,683.8 / 50.91 --

Gordon / 2,683.8 / 2,792.11 / 108.31 -- Forth Sand / 2,792.11 / 2,931.84 / 139.73 -- 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 --

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 -- Genesee / 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 / 6,644.83 / 6,686 / 42.17

**512448 - Perforations**

<i>Zone/Stage</i>	<i>Date</i>	<i>Top Plug Depth (ftKB)</i>	<i>Bottom Plug Depth (ftKB)</i>	<i>Top Perf Depth (ftKB)</i>	<i>Bottom Perf Depth (ftKB)</i>	<i>Shots/ft</i>
1	8/4/2010	11,756.00	NA	11,785.00	12,027.00	4
2	4/30/2011	11,456.00	11,756.00	11,485.00	11,727.00	4
3	4/30/2011	11,156.00	11,456.00	11,185.00	11,427.00	4
4	5/1/2011	10,856.00	11,156.00	10,885.00	11,127.00	4
5	5/1/2011	10,556.00	10,856.00	10,585.00	10,827.00	4
6	5/2/2011	10,256.00	10,556.00	10,285.00	10,527.00	4
7	5/2/2011	9,956.00	10,256.00	9,985.00	10,227.00	4
8	5/3/2011	9,656.00	9,956.00	9,685.00	9,927.00	4
9	5/3/2011	9,356.00	9,656.00	9,385.00	9,627.00	4
10	5/4/2011	9,056.00	9,356.00	9,085.00	9,327.00	4
11	5/4/2011	8,756.00	9,056.00	8,785.00	9,027.00	4
12	5/5/2011	8,456.00	8,756.00	8,485.00	8,727.00	4
13	5/5/2011	8,156.00	8,456.00	8,185.00	8,427.00	4
14	5/6/2011	7,856.00	8,156.00	7,885.00	8,127.00	4
15	5/7/2011	7,556.00	7,856.00	7,585.00	7,827.00	4
16	5/8/2011	7,256.00	7,556.00	7,285.00	7,527.00	4
17	5/8/2011	NA	7,256.00	6,985.00	7,227.00	4

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**512448 - Stimulated Stages**

<i>Zone/Stage</i>	<i>P Break (psi)</i>	<i>Avg Treat Pressure (psi)</i>	<i>Avg rate (bbl/min)</i>	<i>ISIP (psi)</i>	<i>15 Min. SIP (psi)</i>	<i>Fluid Volume (bbl)</i>	<i>Date</i>	<i>Proppant (lb)</i>
1	4,860.00	6,827.00	101.0	3,020.00	2,146.00	10,267	4/30/2011	418,964
2	5,489.00	7,443.00	101.0	2,975.00	2,265.00	10,411	4/30/2011	407,173
3	5,912.00	7,670.00	101.0	3,157.00	2,337.00	10,429	5/1/2011	403,522
4	5,544.00	6,850.00	101.0	3,383.00	2,353.00	11,319	5/1/2011	409,311
5	5,551.00	7,353.00	100.0	3,731.00	2,353.00	10,098	5/2/2011	408,054
6	5,110.00	7,321.00	97.0	3,291.00	2,215.00	11,561	5/2/2011	395,955
7	5,476.00	7,797.00	100.0	3,027.00	2,200.00	9,552	5/3/2011	404,899
8	5,317.00	7,451.00	100.0	3,435.00	2,126.00	10,695	5/3/2011	410,898
9	5,393.00	7,092.00	102.0	3,072.00	2,045.00	10,421	5/4/2011	421,604
10	5,372.00	6,926.00	103.0	2,961.00	2,154.00	10,286	5/4/2011	406,269
11	5,573.00	6,797.00	102.0	2,798.00	2,056.00	10,059	5/5/2011	400,476
12	4,926.00	6,620.00	100.0	2,926.00	2,106.00	9,990	5/5/2011	401,162
13	5,163.00	6,593.00	95.0	2,906.00	2,169.00	11,492	5/6/2011	408,461
14	5,302.00	6,820.00	102.0	3,041.00	2,272.00	10,752	5/7/2011	401,926
15	5,655.00	6,630.00	102.0	2,998.00	2,325.00	10,012	5/8/2011	406,302
16	5,250.00	6,471.00	101.0	2,889.00	2,342.00	9,794	5/8/2011	405,985
17	5,905.00	6,616.00	100.0	2,656.00	2,257.00	10,535	5/9/2011	405,879

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