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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 #: 47-017-05882

Farm name: I.L. Morris Operator Well No.: 512450

LOCATION: Elevation: 1,250' Quadrangle: Oxford

District: Southwest County: Doddridge
Latitude: 2,380' 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	795.2
Inspector: David Scranage	9 5/8	3,146	3,146	1,253
Date Permit Issued: 10/27/2009	5 1/2	10,256	10,256	1,286.4
Date Well Work Commenced: 3/13/10				
Date Well Work Completed: 6/25/10				
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): 6,691'				
Total Measured Depth (ft): 10,273'				
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				

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

MAR 08 2014

Producing formation Marcellus Pay zone depth (ft) 6,644
Gas: Initial open flow 9247 MCF/d Oil: Initial open flow NA Bbl/d
Final open flow 5936 MCF/d Final open flow NA Bbl/d
Time of open flow between initial and final tests 43 Hours
Static rock Pressure 745 psig (surface pressure) after 48 Hours

WV Department of
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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

3/6/2014
Date

06/27/2017

17-05882

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, 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

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

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
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Sand / Shale / / 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 / 6,691 / 47.13

06/27/2017

512450 - 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	7/8/2010	9,932.00	<i>NA</i>	9,961.00	10,203.00	4
2	5/18/2011	9,632.00	9,932.00	9,661.00	9,903.00	4
3	5/18/2011	9,332.00	9,632.00	9,361.00	9,603.00	4
4	5/19/2011	9,032.00	9,332.00	9,061.00	9,303.00	4
5	5/20/2011	8,732.00	9,032.00	8,761.00	9,003.00	4
6	5/21/2011	8,432.00	8,732.00	8,461.00	8,703.00	4
7	5/21/2011	8,132.00	8,432.00	8,161.00	8,403.00	4
8	5/21/2011	7,832.00	8,132.00	7,861.00	8,103.00	4
9	5/22/2011	7,547.00	7,832.00	7,561.00	7,803.00	4
10	5/22/2011	<i>NA</i>	7,547.00	7,411.00	7,533.00	4

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512450 - Stimulated Stages

Zone/Stage	P Break (psi)	Avg Treat Pressure (psi)	Avg rate (bbl/min)	ISIP (psi)	15 Min. SIP (psi)	Fluid Volume (bbl)	Date	Proppant (lb)
1	4,418.00	7,469.00	95.0	6,141.00	2,180.00	11,888	5/18/2011	331,302
2	4,461.00	6,869.00	100.0	4,227.00	2,175.00	10,678	5/18/2011	405,316
3	4,456.00	7,093.00	102.0	3,587.00	2,413.00	12,058	5/19/2011	406,473
4	5,179.00	7,376.00	103.0	4,551.00	2,407.00	10,802	5/20/2011	392,110
5	4,806.00	7,120.00	98.0	5,721.00	2,535.00	12,294	5/20/2011	396,292
6	5,258.00	6,476.00	100.0	3,685.00	2,266.00	10,465	5/21/2011	405,650
7	5,092.00	6,613.00	101.0	4,172.00	2,357.00	10,319	5/21/2011	407,571
8	5,649.00	6,742.00	102.0	3,758.00	2,534.00	10,672	5/22/2011	409,904
9	4,513.00	6,743.00	95.0	3,072.00	2,255.00	9,852	5/22/2011	404,890
10	4,328.00	5,417.00	93.0	3,192.00	2,215.00	5,108	5/22/2011	206,905

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