

WR-35
Rev (9-11)

Preliminary Report
State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2-11-2013
API #: 4706900117

Farm name: Rayle Coal OHI 6H Operator Well No.: 834682

LOCATION: Elevation: 1064' Quadrangle: Tiltonsville

District: Richland County: Ohio
Latitude: 570' Feet South of 40 Deg. 10 Min. 00 Sec.
Longitude 1944' Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	20"	100'	100'	376 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	296'	296'	319 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1690'	1690'	757 Cu. Ft.
Date Permit Issued: 5-29-2012	5 1/2"	10579'	10579'	2750 Cu. Ft.
Date Well Work Commenced: 9-6-2012				
Date Well Work Completed: 9-24-2012(Rig Release date)				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 5838'				
Total Measured Depth (ft): 10579'				
Fresh Water Depth (ft.): 30', 250', 306'				
Salt Water Depth (ft.): 1110'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 243'				
Void(s) encountered (N/Y) Depth(s) Y 237'				

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

Producing formation Marcellus Pay zone depth (ft) (not frac'd)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow n/a * MCF/d Final open flow _____ Bbl/d *Est. TIL date 6-19-2013

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ 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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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.

Marlene Williams
Signature

2-19-2013
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 LWD GR from 5,267'-10,580' MD

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:

Est. Frac date: 4-22-2013

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
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Surface:

See attached

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WV GEOLOGICAL SURVEY
MORGANTHAU, WV

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 5,838 ft TVD @ 10,426 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SH/LS	0	0	214	214
SH/LS/COAL	214	214	237	237
COAL (VOID)	237	237	243	243
SH/LS/COAL	243	243	270	270
SHALE	270	270	360	360
SS	360	360	420	420
SH	420	420	660	660
SILTSTONE	660	660	690	690
SH	690	690	720	720
SH/SS	720	720	750	750
SS trc SH/LS	750	750	780	780
SS	780	780	840	840
SH/SS	840	840	870	870
SH	870	870	900	900
COAL	900	900	930	930
SH	930	930	1050	1050
SH/SS	1050	1050	1080	1080
SH trc SS/LS	1080	1080	1140	1140
SS	1140	1140	1170	1170
SH	1170	1170	1230	1230
LS	1230	1230	1254	1254
BIG LIME	1254	1254	1280	1280
SS trc SH/LS	1280	1280	1329	1329
BIG INJUN	1329	1329	1539	1539
SHALE	1539	1539	1630	1630
SHALE trc SILT/LS	1630	1630	3550	3550
SHALE	3550	3550	5590	5590
SHALE trc LS	5590	5590	5799	5611
GENESEO	5799	5611	5823	5628
TULLY	5823	5628	5905	5682
HAMILTON	5905	5682	6085	5770
MARCELLUS	6085	5770		
TD OF LATERAL			10579	5837

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