

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

DATE: 9-13-2012
API #: 47-049-02186

Farm name: Wesbanco Bank MRN 8H Operator Well No.: 834043

LOCATION: Elevation: 1257' Quadrangle: Rivesville

District: Winfield County: Marion
Latitude: 7566' Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 2403' Feet West of 80 Deg. 02 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"	124'	124'	224 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	303'	303'	331 Cu. Ft.
Inspector: Sam Ward	9 5/8"	2826'	2826'	1332 Cu. Ft.
Date Permit Issued: 1-10-2012 ✓	5 1/2"	12516'	12516'	2380 Cu. Ft.
Date Well Work Commenced: 2-18-2012				
Date Well Work Completed: 6-9-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7860'(cement plug@ 7023'-7844')				
Total Measured Depth (ft): 12520'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): 1200'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 227'				
Void(s) encountered (N/Y) Depth(s) Y 227'				

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

Producing formation Marcellus Pay zone depth (ft) 7,975'-12,388'

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

Final open flow 1,967* MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 77 Hours *Calculated

Static rock Pressure 4,887* 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.

Marlow Williams
Signature

9-13-2012
Date

12/14/2012

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0' - 7,860' MD; LWD GR from 7,100' - 12,459' 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:

(See Attached)

Plug Back Details Including Plug Type and Depth(s): Cement plug @ 7023' - 7844'

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

(See Attached)

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VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
LS/SS	0	227
COAL	227	235
LS/SS	235	360
SH/SILTSTONE	360	390
LS	390	420
SH	420	450
SS	450	480
SH/SILTSTONE	480	510
SILTSTONE	510	570
SS	570	630
SH/SILTSTONE	630	690
SS	690	750
LS/SH/SS	750	780
SH	780	810
SH/SILT/SS	810	960
SS	960	1140
SH/SS	1140	1260
SS	1260	1350
SH/SS	1350	1380
LS/SH/SS	1380	1410
BIG LIME (LS)	1410	1530
BIG INJUN (SS)	1530	1740
SH/SILT/SS	1740	1985
BEREA (SS)	1985	2650
SHALE/SILTSTONE	2650	7369
GENESEO	7369	7404
TULLY	7404	7467
HAMILTON	7467	7662
MARCELLUS	7662	7782
ONONDAGA (LS)	7782	
TD OF PILOT HOLE		7860

**LATERAL SIDETRACK
WELLBORE**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	227	227
COAL	227	227	235	235
LS/SS	235	235	360	360
SH/SILTSTONE	360	360	390	390
LS	390	390	420	420
SH	420	420	450	450
SS	450	450	480	480
SH/SILTSTONE	480	480	510	510
SILTSTONE	510	510	570	570
SS	570	570	630	630
SH/SILTSTONE	630	630	690	690
SS	690	690	750	750
LS/SH/SS	750	750	780	780
SH	780	780	810	810
SH/SILT/SS	810	810	960	960
SS	960	960	1140	1140
SH/SS	1140	1140	1260	1260
SS	1260	1260	1350	1350
SH/SS	1350	1350	1380	1380
LS/SH/SS	1380	1380	1410	1410
BIG LIME (LS)	1410	1410	1530	1530
BIG INJUN (SS)	1530	1530	1740	1740
SH/SILT/SS	1740	1740	1985	1985
BEREA (SS)	1985	1985	2650	2650
SH/SILTSTONE	2650	2650	7359	7348
GENESEO	7359	7348	7410	7395
TULLY	7410	7395	7533	7504
HAMILTON	7533	7504	7731	7645
MARCELLUS	7731	7645	7731	7645
TD OF LATERAL			12520	7524

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