

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

Farm name: Bonnette 3H Operator Well No.: 831493

RECEIVED

LOCATION: Elevation: 1,457' Quadrangle: Wileyville

AUG 27 2012

District: Meade County: Marshall
Latitude: 1,010' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 10,325' Feet West of 80 Deg. 42 Min. 30 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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'	145 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	1,220'	1,220'	1375 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2,752'	2,752'	1263 Cu. Ft.
Date Permit Issued: 11-12-2009	5 1/2"	12,450'	12,450'	3183 Cu. Ft.
Date Well Work Commenced: 11-21-2011				
Date Well Work Completed: 5-18-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,095'				
Total Measured Depth (ft): 12,450'				
Fresh Water Depth (ft.): 395'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 375'				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation Marcellus Pay zone depth (ft) 7,673'-12,302'

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

Final open flow 1,972* MCF/d Final open flow 48 Bbl/d

Time of open flow between initial and final tests 24 Hours *Calculated

Static rock Pressure 4,565* 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

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

8-21-2012
Date

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 LWD GR from 6540-12450' 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):

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

(See Attached)

LATERAL WELLBORE**Maximum TVD of wellbore:** 7095 ft TVD @ 7467 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
Limestone/SS/Shale	0	0	1110	1110
Pittsburgh Coal	1110	1110	1120	1120
Limestone/Shale	1120	1120	2261	2261
Big Lime	2261	2261	2399	2399
Big Injun	2399	2399	2607	2607
Shale	2607	2607	7032	6943
Geneseo	7032	6943	7056	6960
Tully	7056	6960	7238	7057
Marcellus	7238	7057	12450	6959