

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

DATE: 4-11-2012
API #: 47-051-01308

Farm name: Bonnette 6H Operator Well No.: 831314

LOCATION: Elevation: 1,457' Quadrangle: Wileyville

District: Meade County: Marshall
Latitude: 1,025' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 13,700' Feet West of 80 Deg. 42 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"	80'	80'	Driven
Agent: Eric Gillespie	13 3/8"	1231'	1231'	448 Cu. Ft.
Inspector: Bill Hatfield	9 5/8"	2888'	2888'	1279 Cu. Ft.
Date Permit Issued: 9-18-2009	5 1/2"	11599'	11599'	2799 Cu. Ft.
Date Well Work Commenced: 7-2-2011				
Date Well Work Completed: 7-31-2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7166'				
Total Measured Depth (ft): 11599'				
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) 7,335'-11,458'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 3,253* MCF/d Final open flow 76 Bbl/d
Time of open flow between initial and final tests 139 Hours *Calculated
Static rock Pressure 4,654* 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

8/3/2012
Date

01/11/2013

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 _____

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):

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

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: Bonnette 6H 831314

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
5/13/2012	11076	11458	5/13/2012	11076	11458	Slk wtr	9923	Sand	462220	76
5/13/2012	10380	10924	5/13/2012	10380	10924	Slk wtr	10358	Sand	594540	83
5/14/2012	9718	10324	5/14/2012	9718	10324	Slk wtr	10119	Sand	594480	80
5/14/2012	9112	9659	5/14/2012	9112	9659	Slk wtr	10616	Sand	594720	85
5/16/2012	8506	9053	5/16/2012	8506	9053	Slk wtr	11121	Sand	575968	81
5/17/2012	7900	8447	5/17/2012	7900	8447	Slk wtr	10852	Sand	596160	84
5/17/2012	7335	7841	5/17/2012	7335	7841	Slk wtr	9897	Sand	595700	85

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HORIZONTAL WELL (No pilot hole associated with this pad)				
Maximum TVD of wellbore:	7166 ft TVD @ 11599 ft MD			
Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SHALE/SS	0	0	36	36
SHALE	36	36	130	130
SHALE/LS	130	130	200	200
LS/SHALE	200	200	340	340
SHALE/LS	340	340	434	434
SHALE/SS	434	434	470	470
LS/SS	470	470	548	548
SHALE/SS	548	548	600	600
SS/LS	600	600	650	650
SS/SHALE	650	650	697	697
SHALE/SS	697	697	800	800
SS	800	800	850	850
SS/SHALE	850	850	900	900
SS	900	900	950	950
SS/LS	950	950	1006	1006
LS/SHALE	1006	1006	1070	1070
LS	1070	1070	1080	1080
LS/SHALE	1080	1080	1100	1100
COAL	1100	1100	1108	1108
LS/SHALE	1108	1108	1238	1238
LS	1238	1238	1330	1330
LS/SS	1330	1330	1400	1400
LS/SS	1400	1400	1500	1500
SHALE/SS	1500	1500	1550	1550
SS/SHALE	1550	1550	1626	1626
SHALE/SS	1626	1626	1650	1650
LS/SHALE	1650	1650	1716	1716
LS/SS	1716	1716	1740	1740
SS/LS	1740	1740	1750	1750
SS/SHALE	1750	1750	1794	1794
SS	1794	1794	1812	1812
SS/SHALE	1812	1812	2000	2000
LS/SHALE	2000	2000	2052	2052
SHALE/SS	2052	2052	2100	2100
SS/SHALE	2100	2100	2200	2200
SHALE/SS	2200	2200	2250	2250
LS/SHALE	2250	2250	2350	2350
LS/SS	2350	2350	2405	2405
SS/SHALE	2405	2405	2466	2466
SS	2466	2466	2530	2530

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SS/SHALE	2530	2530	2560	2560
SS/LS	2560	2560	2572	2572
SS/SHALE	2572	2572	2620	2620
SHALE/LS	2620	2620	6604	6603
SHALE/LS	6604	6603	6642	6641
LS/SHALE	6642	6641	6704	6703
SHALE	6704	6703	6750	6747
LS/SHALE	6750	6747	6850	6838
SHALE	6850	6838	6900	6884
LS/SHALE	6900	6884	7011	6962
Tully	7011	6962	7059	6992
Hamilton	7059	6992	7236	7066
Marcellus	7236	7066	7291	7080
Purcell	7291	7080	7306	7083
LS/SHALE	7306	7083	7600	7094
SHALE/LS	7600	7094	8106	7108
SHALE	8106	7108	8300	7112
SHALE/LS	8300	7112		
End of Well			11599	7166

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