

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 #: 47-069-00105

Farm name: Shawn Couch OHI 8H Operator Well No.: 834262

LOCATION: Elevation: 1265' Quadrangle: Bethany

District: Liberty County: Ohio  
Latitude: 1450' Feet South of 40 Deg. 10 Min. 00 Sec.  
Longitude 6860' Feet West of 80 Deg. 35 Min. 00 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"	120'	120'	353 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	391'	391'	449 Cu. Ft.
Inspector: <b>Bill Hendershot</b>	9 5/8"	2006'	2006'	1002 Cu. Ft.
Date Permit Issued: 1-23-2012	5 1/2"	13027'	13027'	3183 Cu. Ft.
Date Well Work Commenced: 3-17-2012				
Date Well Work Completed: 6-8-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6265'				
Total Measured Depth (ft): 13028'				
Fresh Water Depth (ft.): 300'				
Salt Water Depth (ft.): 1300'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 700'				
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) 6,460'-12,895'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow Not Tested 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

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

9-13-2012  
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 5,550' - 12,942' 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)

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PERFORATION RECORD ATTACHMENT

Well Number and Name: 834262 Shawn Couch OHI 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
5/20/2012	12,331	12,895	6/2/2012	12,331	12,895	Sik wtr	11,089	Sand	640,300	80
6/2/2012	11,670	12,243	6/2/2012	11,670	12,243	Sik wtr	11,733	Sand	640,500	79
6/2/2012	11,019	11,591	6/3/2012	11,019	11,591	Sik wtr	11,394	Sand	643,600	79
6/3/2012	10,368	10,940	6/3/2012	10,368	10,940	Sik wtr	13,219	Sand	640,360	80
6/3/2012	9,716	10,289	6/4/2012	9,716	10,289	Sik wtr	11,204	Sand	641,980	80
6/4/2012	9,065	9,637	6/4/2012	9,065	9,637	Sik wtr	12,673	Sand	642,900	80
6/4/2012	8,419	8,986	6/5/2012	8,419	8,986	Sik wtr	11,573	Sand	640,720	80
6/5/2012	7,763	8,341	6/5/2012	7,763	8,341	Sik wtr	11,172	Sand	637,480	78
6/7/2012	7,111	7,684	6/8/2012	7,111	7,684	Sik wtr	11,427	Sand	638,140	80
6/8/2012	6,460	7,027	6/8/2012	6,460	7,027	Sik wtr	11,181	Sand	634,280	80

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**LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)****Maximum TVD of wellbore: 6265 ft TVD @ 12942 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	700	700
PITTSBURGH COAL	700	700	710	710
SH/SS	710	710	780	780
SHALE	780	780	990	990
SH/SS/LS	990	990	1050	1050
SS	1050	1050	1140	1140
SH/SS	1140	1140	1170	1170
SH	1170	1170	1470	1470
SH/LS	1470	1470	1500	1500
BIG LIME (LS)	1500	1500	1570	1570
BIG INJUN (SS)	1570	1570	1832	1832
SHALE	1832	1832	6013	5987
GENESEO (SH)	6013	5987	6038	6007
TULLY (LS)	6038	6007	6106	6055
HAMILTON (SH)	6106	6055	6328	6163
MARCELLUS (SH)	6328	6163		
TD OF LATERAL			6264	13028

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