

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

Farm name: Benjamin Honecker OHI 8H Operator Well No.: 833906

LOCATION: Elevation: 1110' Quadrangle: Bethany

District: Liberty County: Ohio  
Latitude: 7820' Feet South of 40 Deg. 10 Min. 00 Sec.  
Longitude 4340' 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	13 3/8"	352'	352'	437 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	1751'	1751'	774 Cu. Ft.
Inspector: <b>Bill Hendershot</b>	5 1/2"	14133'	14133'	5237 Cu. Ft.
Date Permit Issued: 8-17-2011				
Date Well Work Commenced: 1-27-2012				
Date Well Work Completed: 6-24-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6079'				
Total Measured Depth (ft): 14135'				
Fresh Water Depth (ft.): 50', 80', 320'				
Salt Water Depth (ft.): 955'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 267'				
Void(s) encountered (N/Y) Depth(s) Y 267'				

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

Producing formation Marcellus Pay zone depth (ft) 6,300'-14,001'

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.

Madeline Williams  
Signature

9-19-2012  
Date

Were core samples taken? Yes \_\_\_\_\_ No N

Were cuttings caught during drilling? Yes Y No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity  
open hole logs run from 0-1767' MD; LWD GR from 5348-14135' 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):

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth \_\_\_\_\_  
Surface: \_\_\_\_\_

(See Attached)

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**PERFORATION RECORD ATTACHMENT**

Well Number and Name: 833906 Benjamin Honecker OHI 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
5/29/2012	13,431	14,001	6/13/2012	13,431	14,001	Slk wtr	11,927	Sand	577,520	85
6/14/2012	12,783	13,353	6/14/2012	12,783	13,353	Slk wtr	11,678	Sand	574,540	84
6/14/2012	12,135	12,704	6/14/2012	12,135	12,704	Slk wtr	12,093	Sand	577,400	85
6/15/2012	11,487	12,056	6/15/2012	11,487	12,056	Slk wtr	12,111	Sand	577,000	84
6/15/2012	10,835	11,408	6/18/2012	10,835	11,408	Slk wtr	11,604	Sand	575,760	85
6/18/2012	10,190	10,759	6/18/2012	10,190	10,759	Slk wtr	11,726	Sand	576,820	86
6/18/2012	9,542	10,111	6/19/2012	9,542	10,111	Slk wtr	11,708	Sand	575,460	85
6/19/2012	8,893	9,463	6/19/2012	8,893	9,463	Slk wtr	11,572	Sand	575,720	85
6/19/2012	8,245	8,814	6/23/2012	8,245	8,814	Slk wtr	11,641	Sand	577,140	85
6/23/2012	7,597	8,166	6/23/2012	7,597	8,166	Slk wtr	12,027	Sand	577,420	84
6/23/2012	6,948	7,518	6/24/2012	6,948	7,518	Slk wtr	11,832	Sand	576,580	85
6/24/2012	6,300	6,869	6/24/2012	6,300	6,869	Slk wtr	11,932	Sand	561,380	85

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 WV GEOLOGICAL SURVEY  
 MOBILE, WV

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

**Maximum TVD of wellbore: 6079 ft TVD @ 14064 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS	0	0	267	267
PITTSBURG COAL VOID	267	267	272	272
SS/SH	272	272	380	380
SS	380	380	490	490
SS/LS	490	490	1210	1210
BIG LIME (LS)	1210	1210	1310	1310
BIG INJUN (SS)	1310	1310	1590	1590
SHALE	1590	1590	5725	5704
GENESEO (SH)	5725	5704	5755	5729
TULLY (LS)	5755	5729	5828	5784
HAMILTON (SH)	5828	5784	5980	5881
MARCELLUS (SH)	5980	5881		
TD OF LATERAL			14135	6076

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INVESTIGATION SERVICE  
FOR THE STATE OF TEXAS