

WR-35  
Rev (9-11)

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

DATE: 08-09-2013  
API #: 47-069-00083 **R**

Farm name: Mason Cottrell OHI 8H Operator Well No.: 833340

LOCATION: Elevation: 1300' Quadrangle: Valley Grove

District: Triadelphia County: Ohio  
Latitude: 9590' Feet South of 40 Deg. 05 Min. 00 Sec.  
Longitude 2700' 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"	665'	665'	168 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2071'	2071'	1045 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	13559'	13559'	3519 Cu. Ft.
Date Permit Issued: 5-20-2011				
Date Well Work Commenced: 8-30-2011				
Date Well Work Completed: 11-2-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,405'				
Total Measured Depth (ft): 13,650'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1035'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 607				
Void(s) encountered (N/Y) Depth(s) Y 607-619				

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

Producing formation Marcellus Pay zone depth (ft) 6,575'-13,422'  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 4,527\* MCF/d Final open flow 278 Bbl/d  
Time of open flow between initial and final tests 72 Hours  
Static rock Pressure 4,163\* psig (surface pressure) after 72 Hours \*Calculated

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

8-13-2013  
Date

unnamed (o) 6-6

RECEIVED

AUG 14 2013

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

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 5732' - 13596' 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 attachment

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 attachment

RECEIVED

AUG 14 2013

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

**PERFORATION RECORD ATTACHMENT**

Well Number and Name: 833340 Mason Cottrell OHI 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval	Treated	Fluid		Propping Agent		Average Injection
	From	To				Type	Amount	Type	Amount	
9/22/2012	13,093	13,422	9/26/2012	13,093	13,422	Slk wtr	7,423	Sand	401,560	80.2
9/26/2012	12,685	13,015	9/27/2012	12,685	13,015	Slk wtr	9,492	Sand	399,300	78.8
9/27/2012	12,278	12,607	9/27/2012	12,278	12,607	Slk wtr	7,769	Sand	399,880	80
9/27/2012	11,871	12,205	9/27/2012	11,871	12,205	Slk wtr	7,395	Sand	402,240	79
9/27/2012	11,463	11,791	9/27/2012	11,463	11,791	Slk wtr	7,737	Sand	403,380	79
9/27/2012	11,056	11,385	9/28/2012	11,056	11,385	Slk wtr	7,480	Sand	400,700	79.8
9/28/2012	10,649	10,978	9/29/2012	10,649	10,978	Slk wtr	7,249	Sand	400,060	79.8
9/29/2012	10,241	10,571	9/29/2012	10,241	10,571	Slk wtr	7,436	Sand	402,620	80
9/30/2012	9,834	10,163	9/30/2012	9,834	10,163	Slk wtr	7,628	Sand	402,720	80.1
9/30/2012	9,426	9,756	9/30/2012	9,426	9,756	Slk wtr	7,189	Sand	402,740	79
9/30/2012	9,019	9,342	9/30/2012	9,019	9,342	Slk wtr	7,171	Sand	402,840	80
9/30/2012	8,612	8,941	10/1/2012	8,612	8,941	Slk wtr	7,564	Sand	398,340	80.1
10/1/2012	8,204	8,534	10/2/2012	8,204	8,534	Slk wtr	7,427	Sand	402,340	80
10/2/2012	7,797	8,126	10/2/2012	7,797	8,126	Slk wtr	7,374	Sand	403,140	80
10/2/2012	7,390	7,719	10/3/2012	7,390	7,719	Slk wtr	7,193	Sand	402,880	80
10/3/2012	6,982	7,312	10/3/2012	6,982	7,312	Slk wtr	7,162	Sand	401,620	80
10/3/2012	6,575	6,902	10/3/2012	6,575	6,902	Slk wtr	7,178	Sand	401,580	79.9

**RECEIVED**

AUG 14 2013

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV

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

**Maximum TVD of wellbore:** 6405 ft TVD @ 13596 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SH	0	0	607	607
PITTSBURG COAL VOID	607	607	619	619
LS/SS/SH	619	619	1300	1300
SS	1300	1300	490	490
SS/LS	490	490	1300	1300
SS	1300	1300	1675	1675
BIG INJUN (SS)	1675	1675	1968	1968
SHALE	1968	1968	6180	6154
GENESECO (SH)	6180	6154	6203	6173
TULLY (LS)	6203	6173	6260	6215
HAMILTON (SH)	6260	6215	6441	6319
MARCELLUS (SH)	6441	6319		
TD OF LATERAL			13646	6405

RECEIVED

AUG 14 2013

WV GEOLOGICAL SURVEY  
MORGANTOWN, WV