

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

DATE: 12-21-2012
API #: 47-069-00083

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: 10-3-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6405'				
Total Measured Depth (ft): 13646'				
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 Not Tested* MCF/d Final open flow _____ Bbl/d *Scheduled to test 5-15-2013
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

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 Wilson
Signature

12-21-2012
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 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 attached

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
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See attached

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
GENESEO (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