

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

DATE: 12-18-2012
API #: 47-069-00131

Farm name: Mason Cottrell OHI 1H Operator Well No.: 834971

LOCATION: Elevation: 1240' Quadrangle: Valley Grove WV

District: Triadelphia County: Ohio
Latitude: 9650' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 2760' 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"	100'	100'	348 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	658'	658'	554 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2133'	2133'	915 Cu. Ft.
Date Permit Issued: 7-18-2012	5 1/2"	11558'	11558'	2689 Cu. Ft.
Date Well Work Commenced: 8-8-2012				
Date Well Work Completed: 10-4-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6343'				
Total Measured Depth (ft): 11558'				
Fresh Water Depth (ft.): 175'				
Salt Water Depth (ft.): 1035'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 612				
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) 6803-11,417

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.

Maclane Williams
Signature

12/18/2012
Date

Were core samples taken? Yes _____ No XX

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list LWD GR from 5890' - 11510' 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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Surface:

See attached

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

Maximum TVD of wellbore: 6343 ft TVD @ 6905 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	510	510
SILTSTONE	510	510	540	540
SS	540	540	612	612
PITTSBURG COAL	612	612	622	622
SS	622	622	1310	1310
SHALE	1310	1310	1535	1535
SS	1535	1535	1590	1590
BIG LIME (LS)	1590	1590	1676	1676
BIG INJUN (SS)	1676	1676	1970	1970
SHALE	1970	1970	6355	6144
GENESEO (SH)	6355	6144	6392	6168
TULLY (LS)	6392	6168	6447	6202
HAMILTON (SH)	6447	6202	6640	6293
MARCELLUS (SH)	6640	6293		
TD OF LATERAL			11558	6239