WR-35 Rev (9-11)

## Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

DATE:	12-18-2012
<b>API</b> #:	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. 0		Min. 00	Sec.	
T am ait als 2760'	E+ W+ -£ 80	D - 2	5	N C: 00		

Chesaneake Annalachia I I C

Company: Chesapeake Appalachia, L.L.C.				
Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
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 Cable Rig				
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		NAME OF STREET		

OPEN FLOW DATA (If more t	han two producing formations	please include ad	lditional data on separate sheet)
Producing formation Marcellu	Pay zone	e depth (ft) 6803-11	1,417
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	en initial and final tests	Hours	
Static rock Pressure	psig (surface pressure) after	Hours	
Second producing formation	Pay zone d	lepth (ft)	<u> </u>
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	en initial and final tests	Hours	
Static rock Pressure	ncia (curface preccure) after	Hours	
A	psig (surface pressure) after_	110u13	

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.

Were core samples taken? YesNo_XX	Were cu	ttings caught during dr	illing? Yes	No_X
Were Electrical, Mechanical or Geophysical logs reco	rded on this well? If y	es, please list LWD G	R from 5890' -	11510' MD
NOTE: IN THE AREA BELOW PUT THE FRACTURING OR STIMULATING, PHYSICAL DETAILED GEOLOGICAL RECORD OF TH COAL ENCOUNTERED BY THE WELLBORE	L CHANGE, ETC. 2) E TOPS AND BOT	. THE WELL LOG V TOMS OF ALL FO	WHICH IS A SY	STEMATIC
Perforated Intervals, Fracturing, or Stimulating:				
See attached				
Plug Back Details Including Plug Type and Depth(s):				
Formations Encountered: Surface:	Top Depth	1	Bottom [	<u>Depth</u>
See attached				
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## PERFORATION RECORD ATTACHMENT

Well Number and Name: 834971 Mason Cottrell OHI 1H

PERFORATION RECORD		STIMULATION RECORD								
Interval Per		erforated		Fluid Propping Agent		Fluid		ing Agent	Average	
Date	From	То	Date	Interval	Treated	Type	Amount	Туре	Amount	Injection
9/22/2012	11,104	11,417	9/28/2012	11,104	11,417	Slk wtr	10,257	Sand	577,540	79.9
9/29/2012	10,713	11,026	9/29/2012	10,713	11,026	Slk wtr	9,945	Sand	574,000	80
9/29/2012	10,321	10,635	9/29/2012	10,321	10,635	Slk wtr	10,177	Sand	574,280	80
9/29/2012	9,930	10,243	9/30/2012	9,930	10,243	Slk wtr	10,153	Sand	576,820	79
9/30/2012	9,539	9,852	10/1/2012	9,539	9,852	Slk wtr	10,039	Sand	574,260	80
10/1/2012	9,148	9,461	10/1/2012	9,148	9,461	Slk wtr	10,087	Sand	573,460	80
10/1/2012	8,756	9,070	10/1/2012	8,756	9,070	Slk wtr	10,143	Sand	573,820	80.1
10/2/2012	8,365	8,678	10/2/2012	8,365	8,678	Slk wtr	9,867	Sand	577,540	80
10/2/2012	7,974	8,287	10/2/2012	7,974	8,287	Slk wtr	9,999	Sand	577,720	80
10/2/2012	7,583	7,902	10/3/2012	7,583	7,902	Slk wtr	9,699	Sand	574,900	80
10/3/2012	7,186	7,507	10/3/2012	7,186	7,507	Slk wtr	10,629	Sand	577,660	80
10/4/2012	6,803	7,113	10/4/2012	6,803	7,113	Slk wtr	9,456	Sand	578,380	80
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## 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