

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

DATE: 8-13-2012  
API #: 47-069-00102

Farm name: Alice Edge OHI 8H Operator Well No.: 833043

LOCATION: Elevation: 1220' Quadrangle: Valley Grove

District: Liberty County: Ohio  
Latitude: 5260' Feet South of 40 Deg. 07 Min. 30 Sec.  
Longitude 9160' Feet West of 80 Deg. 32 Min. 30 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'	426 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	658'	658'	746 Cu. Ft.
Inspector: <b>Bill Hendershot</b>	9 5/8"	2114'	2114'	915 Cu. Ft.
Date Permit Issued: 11-15-2011	5 1/2"	11348'	11348'	2936 Cu. Ft.
Date Well Work Commenced: 11-23-2011				
Date Well Work Completed: 4-20-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6462'				
Total Measured Depth (ft): 11348'				
Fresh Water Depth (ft.): 63'				
Salt Water Depth (ft.): 1155'				
Is coal being mined in area (N/Y)? Y				
Coal Depths (ft.): 580', 1030, 1240				
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) 6,844' - 11,211'

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 1,813 MCF/d Final open flow 155 Bbl/d

Time of open flow between initial and final tests 41 Hours

Static rock Pressure 4,200 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.

Marlene Williams  
Signature

8/13/2012  
Date

01/11/2013

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 5850' to TD

**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: Surface:	Top Depth	/	Bottom Depth
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(See attached)

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PERFORATION RECORD ATTACHMENT

Well Number and Name: 833043 AliceEdge OHI 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated	Fluid		Propping Agent		Average Injection	
	From	To			Type	Amount	Type	Amount		
1/30/2012	10,844	11,211	4/13/2012	10,844	11,211	Sik wtr	9,270	Sand	489,140	77
4/13/2012	10,357	10,791	4/15/2012	10,357	10,791	Sik wtr	11,338	Sand	491,140	79
4/15/2012	9,855	10,289	4/15/2012	9,855	10,289	Sik wtr	10,132	Sand	489,660	80
4/16/2012	9,354	9,787	4/16/2012	9,354	9,787	Sik wtr	9,855	Sand	489,840	78
4/16/2012	8,852	9,285	4/18/2012	8,852	9,285	Sik wtr	9,543	Sand	486,360	80
4/18/2012	8,350	8,783	4/18/2012	8,350	8,783	Sik wtr	9,341	Sand	494,260	80
4/18/2012	7,848	8,282	4/18/2012	7,848	8,282	Sik wtr	9,234	Sand	492,340	80
4/19/2012	7,347	7,780	4/19/2012	7,347	7,780	Sik wtr	8,980	Sand	480,400	80
4/19/2012	6,844	7,278	4/20/2012	6,844	7,278	Sik wtr	9,349	Sand	490,460	80

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LATERAL WELLBORE (no vertical pilot hole with this well)				
Maximum TVD of wellbore:	6462 ft TVD @ 11302 ft MD			
Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SHALE / LS	0	0	580	580
PITTSBURGH COAL	580	580	605	605
SHALE	605	605	1030	1030
SS/SHALE/COAL	1030	1030	1090	1090
SHALE	1090	1090	1180	1180
SS/SHALE	1180	1180	1240	1240
SHALE/COAL	1240	1240	1300	1300
SHALE	1300	1300	1480	1480
SS	1480	1480	1540	1540
SHALE / SILT	1540	1540	1600	1600
LIMESTONE	1600	1600	1660	1660
SILT	1660	1660	1750	1750
BIG INJUN	1750	1750	1957	1957
SHALE / SILT	1957	1957	6241	6200
GENESEO	6241	6200	6275	6225
TULLY	6275	6225	6331	6264
HAMILTON	6331	6264	6552	6369
MARCELLUS	6552	6369		
			11348	6462

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