

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: Bill Hendershot	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

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X 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):

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

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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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