

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

DATE: 8-7-2012
API #: 47-069-00087

Farm name: Alice Edge OHI 1H Operator Well No.: 833346

LOCATION: Elevation: 1220' Quadrangle: Valley Grove

District: Liberty County: Ohio
Latitude: 5250' Feet South of 40 Deg. 07 Min. 30 Sec.
Longitude 9130' 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'	392 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	655'	655'	661 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2056'	2056'	931 Cu. Ft.
Date Permit Issued: 5-31-2011	5 1/2"	11466'	11466'	2939 Cu. Ft.
Date Well Work Commenced: 10-31-2011				
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): 6401'				
Total Measured Depth (ft): 11466'				
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) 6,970' - 11,357'
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 1,793* MCF/d Final open flow 202 Bbl/d
 Time of open flow between initial and final tests 64 Hours * Calculated
 Static rock Pressure 4,147* 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 GR, neutron, density, resistivity
to 2050'; LWD GR from 5950'

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:	Top Depth	/	Bottom Depth
Surface:			

(see attached)

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PERFORATION RECORD ATTACHMENT

Well Number and Name: 833346 Alice Edge OHI 1H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
1/26/2012	10,975	11,357	4/16/2012	10,975	11,357	Sik wtr	11,877	Sand	664,900	79
4/16/2012	10,303	10,862	4/16/2012	10,303	10,862	Sik wtr	11,953	Sand	661,500	80
4/16/2012	9,637	10,195	4/17/2012	9,637	10,195	Sik wtr	12,070	Sand	665,520	80
4/17/2012	8,970	9,529	4/19/2012	8,970	9,529	Sik wtr	11,878	Sand	659,640	80
4/19/2012	8,310	8,862	4/19/2012	8,310	8,862	Sik wtr	13,012	Sand	664,100	80
4/19/2012	7,637	8,195	4/20/2012	7,637	8,195	Sik wtr	12,644	Sand	660,790	80
4/20/2012	6,970	7,529	4/20/2012	6,970	7,529	Sik wtr	11,574	Sand	660,000	80

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LATERAL WELLBORE (no vertical pilot hole associated with this well)				
Maximum TVD of wellbore:	6401 ft TVD @ 8203 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	6511	6211
GENESEO	6511	6211	6532	6228
TULLY	6532	6228	6580	6266
HAMILTON	6580	6266	6762	6367
MARCELLUS	6762	6367		
End of Well			11466	6366

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