

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

DATE: 3-11-2013
API #: 47-069-00123

Farm name: Glenn Didriksen OHI 1H Operator Well No.: 834868

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LOCATION: Elevation: 1,265' Quadrangle: Valley Grove WV.

MAR 19 2013

District: Liberty County: Ohio
Latitude: 3,300' Feet South of 40 Deg. 07 Min. 30 Sec.
Longitude 3,970' Feet West of 80 Deg. 35 Min. 00 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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'	Driven
Agent: Eric Gillespie	13 3/8"	695'	695'	109 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2,158'	2,158'	971 Cu. Ft.
Date Permit Issued: 6-4-2012	5 1/2"	10,375'	10,375'	1,111 Cu. Ft.
Date Well Work Commenced: 10-19-2012				
Date Well Work Completed: 1-26-2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,383'				
Total Measured Depth (ft): 10,375'				
Fresh Water Depth (ft.): 186' water well approx. 1200' east				
Salt Water Depth (ft.): 1100'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 653'				
Void(s) encountered (N/Y) Depth(s) Y 630-670'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,796-10,232

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 3,367* MCF/d Final open flow 322 Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 4,113* psig (surface pressure) after 96 Hours *Calculated

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.

Marlene Williams
Signature

3-18-2013
Date

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 MWD from 5,509'-10,330' 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.

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Perforated Intervals, Fracturing, or Stimulating:

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See attachment.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

See attachment.

LATERAL SIDETRACK WELLBORE

(no vertical pilot hole associated with this well)

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Maximum TVD of wellbore: 6,383 ft TVD @ 7,218 ft MD

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS/SILT	0	0	630	630
NO RETURNS (DUE TO COAL VOID)	630	630	653	653
PITTSBURGH COAL (VOID)	653	653	670	670
NO RETURNS (DUE TO COAL VOID)	670	670	702	702
LS/SS/SILT	702	702	1060	1060
SH	1060	1060	1110	1110
SS	1110	1110	1236	1236
SS/SH	1236	1236	1540	1540
LS/SS	1540	1540	1590	1590
SS	1590	1590	1646	1646
SH/SS/LS	1646	1646	1684	1684
LS/SH	1684	1684	1752	1752
BIG INJUN	1752	1752	2031	2031
SHALE	2031	2031	2279	2279
SS/SH	2279	2279	2430	2430
SH	2430	2430	2970	2970
SS/SH	2970	2970	3030	3030
SH	3030	3030	3270	3270
SS/SH	3270	3270	3330	3330
SH	3330	3330	6260	6111
MIDDLESEX	6260	6111	6435	6181
GENESE0 (SH)	6435	6181	6478	6207
TULLY (LS)	6478	6207	6576	6249
HAMILTON	6576	6249	6884	6341
MARCELLUS (SH)	6884	6341		
TD OF LATERAL			10375	6314