WR-35
Rev (9-11)

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

DATE: 8-22-2012
API #: 47-069-00100

Farm name: Deborah Craig OHI 3H Operator Well No.: 833806

LOCATION: Elevation: 1331' Quadrangle: Valley Grove

District: Tridelphia County: Ohio
Latitude: 400' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 12940' Feet West of 80 Deg. 35 Min. 00 Sec.

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"	126'	126'	Driven
Agent: Eric Gillespie	13 3/8"	739'	739'	729 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2295'	2295'	1021 Cu. Ft.
Date Permit Issued: 11-16-2011	5 1/2"	13947'	13947	2851 Cu. Ft.
Date Well Work Commenced: 3-23-2012				
Date Well Work Completed: 6-5-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6537'(cement plug@ 5663' - 6512')				
Total Measured Depth (ft): 13950'				
Fresh Water Depth (ft.): 82', 350'				
Salt Water Depth (ft.): 1520'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 683'				
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) 6,950'-13,814'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow Not Tested 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

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 A. Villegianis
Signature

8-28-2012
Date

12/07/2012

Were core samples taken? Yes_____ No N Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0-2318' MD; LWD GR from 5662-13950' 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.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s): Cement plug @ 5663' - 6512'

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

Received
AUG 29 2012
WV Department of
Environmental Protection

12/07/2012

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833806 Deborah Craig OHI 3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
5/20/2012	13,271	13,814	6/1/2012	13,271	13,814	Slk wtr	11,450	Sand	629,800	83
6/1/2012	12,646	13,182	6/1/2012	12,646	13,182	Slk wtr	12,275	Sand	630,780	85
6/1/2012	12,012	12,550	6/2/2012	12,012	12,550	Slk wtr	11,468	Sand	630,640	84
6/2/2012	11,375	11,918	6/2/2012	11,375	11,918	Slk wtr	11,695	Sand	621,800	82
6/2/2012	10,743	11,286	6/2/2012	10,743	11,286	Slk wtr	11,631	Sand	631,300	84
6/2/2012	10,110	10,654	6/3/2012	10,110	10,654	Slk wtr	11,642	Sand	631,380	85
6/3/2012	9,478	10,021	6/3/2012	9,478	10,021	Slk wtr	11,189	Sand	630,580	86
6/3/2012	8,851	9,389	6/4/2012	8,851	9,389	Slk wtr	12,703	Sand	629,080	85
6/4/2012	8,219	8,757	6/4/2012	8,219	8,757	Slk wtr	10,963	Sand	630,980	86
6/4/2012	7,587	8,125	6/4/2012	7,587	8,125	Slk wtr	11,341	Sand	630,920	85
6/5/2012	6,950	7,493	6/5/2012	6,950	7,493	Slk wtr	11,004	Sand	646,780	85

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6537 ft TVD @ 6990 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	683	683
PITTSBURG COAL	683	683	690	690
LS	690	690	840	840
SS	840	840	990	990
SS/SH	990	990	1770	1770
BIG LIME (LS)	1770	1770	1820	1820
BIG INJUN (SS)	1820	1820	2057	2057
SHALE	2057	2057	6446	6344
GENESEO (SH)	6446	6344	6474	6362
TULLY (LS)	6474	6362	6528	6396
HAMILTON (SH)	6528	6396	6759	6502
MARCELLUS (SH)	6759	6502		
TD OF LATERAL			13950	6443