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: 7-23-2012
API #: 47-051-01273

Farm name: Arthur Waryck 10H Operator Well No.: 627267

LOCATION: Elevation: 1,335' Quadrangle: Wileyville

District: Meade County: Marshall
Latitude: 1,560' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 9,490' Feet West of 80 Deg. 40 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	13 3/8"	1284'	1284'	1352 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2690'	2690'	1155 Cu. Ft.
Inspector: Tristan Jenkins	5 1/2"	12, 585'	12,585'	1772 Cu. Ft.
Date Permit Issued: 4-29-2009				
Date Well Work Commenced: 2/3/2010				
Date Well Work Completed: 8/26/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7,152'				
Total Measured Depth (ft): 12,585'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1123'				
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) 7,638' - 12,440'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 4,797* MCF/d Final open flow 112 Bbl/d *Calculated
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 4,649* 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.

Signature Date 7-24-2012

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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_____
LWD GR from 6572-12528' 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):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

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PERFORATION RECORD ATTACHMENT

Well Number and Name: 627267 Arthur Waryck 10H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
3/18/2010	12,118	12,440	8/4/2010	12,118	12,440	Slk wtr	7,385	Sand	480,600	83.3
8/5/2010	11,709	11,848	8/5/2010	11,709	12,040	Slk wtr	17,266	Sand	480,500	81
8/7/2010	11,318	11,640	8/9/2010	10,318	11,640	Slk wtr	18,647	Sand	400,000	76
8/9/2010	10,918	11,240	8/11/2010	10,918	11,240	Slk wtr	11,050	Sand	480,000	86
8/11/2010	10,518	10,840	8/15/2010	10,518	10,840	Slk wtr	14,885	Sand	379,800	89
8/14/2010	10,198	10,440	8/19/2010	10,198	10,440	Slk wtr	8,493	Sand	387,100	78
8/19/2010	9,878	10,120	8/20/2010	9,878	10,120	Slk wtr	8,342	Sand	386,700	82
8/20/2010	9,558	9,800	8/21/2010	9,558	9,800	Slk wtr	8,450	Sand	385,800	84
8/21/2010	9,238	9,480	8/22/2010	9,238	9,480	Slk wtr	10,160	Sand	386,700	83
8/22/2010	8,918	9,160	8/23/2010	8,918	9,160	Slk wtr	8,627	Sand	385,200	81
8/23/2010	8,598	8,840	8/23/2010	8,598	8,840	Slk wtr	8,709	Sand	389,400	81
8/23/2010	8,278	8,520	8/24/2010	8,278	8,520	Slk wtr	8,538	Sand	330,000	75
8/24/2010	7,958	8,200	8/24/2010	7,958	8,200	Slk wtr	8,353	Sand	417,000	84
8/24/2010	7,638	7,880	8/25/2010	7,638	7,880	Slk wtr	7,229	Sand	373,300	82

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

Maximum TVD of wellbore: 7152 ft TVD @ 12585 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	570	570
SHALE	570	570	700	700
SH/LS/COAL	700	700	800	800
SHALE/SS	800	800	1030	1030
COAL/SH	1030	1030	1070	1070
SHALE	1070	1070	1151	1151
PITTSBURG COAL	1151	1151	1158	1158
SHALE	1158	1158	1210	1210
SS/LS/SH	1210	1210	1280	1280
SH/LS	1280	1280	1460	1460
SS/LS	1460	1460	1690	1690
SHALE/COAL	1690	1690	1930	1930
SS	1930	1930	2230	2230
BIG LIME (LS)	2230	2230	2307	2307
BIG INJUN (SS)	2307	2307	2550	2550
SHALE	2550	2550	7110	6962
GENESEO (SH)	7110	6962	7145	6983
TULLY (LS)	7145	6983	7262	7037
HAMILTON (SH)	7262	7037	7518	7094
MARCELLUS (SH)	7518	7094		
TD OF LATERAL			12585	7152