

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

DATE: 4-5-2012
API #: 47-051-01275

Farm name: Arthur Waryck 6H Operator Well No.: 627265

LOCATION: Elevation: 1,335' Quadrangle: Wileyville

District: Meade County: Marshall
Latitude: 1,550' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 9/510' Feet West of 80 Deg. 40 Min. 00 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	13 3/8"	1286'	1286'	1381 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2690'	2690'	1119 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	12315'	12315'	1851 Cu. Ft.
Date Permit Issued: 4-29-2009				
Date Well Work Commenced: 1-7-2010				
Date Well Work Completed: 8-26-2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7139'				
Total Measured Depth (ft): 12315'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 700', 1030', 1151'				
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) 7,445' - 12,168'

Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 3,747 MCF/d Final open flow 70 Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 4,640 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 Williams
Signature

7-24-2012
Date

01/25/2013

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 6400-12315' 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)

JUL 25 2012

PERFORATION RECORD ATTACHMENT

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Well Name (Well Number): Arthur Waryck 6H (627265)

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated		Fluid		Propping Agent		Average Injection
	From	To		Type	Amount	Type	Amount			
8/3/2010	11,846	12,168	8/3/2010	11,846	12,168	Slk Wtr	11,593	Sand	481,000	83.0
8/5/2010	11,446	11,768	8/5/2010	11,446	11,768	Slk Wtr	7,982	Sand	483,900	90.0
8/8/2010	11,046	11,368	8/8/2010	11,046	11,368	Slk Wtr	8,681	Sand	494,700	88.0
8/9/2010	10,646	10,968	8/9/2010	10,646	10,968	Slk Wtr	10,362	Sand	485,500	86.0
8/10/2010	10,246	10,568	8/10/2010	10,246	10,568	Slk Wtr	9,971	Sand	489,000	86.0
8/11/2010	9,846	10,168	8/11/2010	9,846	10,168	Slk Wtr	14,117	Sand	481,500	80.0
8/12/2010	9,446	9,768	8/12/2010	9,446	9,768	Slk Wtr	10,636	Sand	482,100	87.0
8/13/2010	9,046	9,368	8/13/2010	9,046	9,368	Slk Wtr	8,488	Sand	479,000	86.0
8/14/2010	8,646	8,968	8/14/2010	8,646	8,968	Slk Wtr	12,498	Sand	490,700	86.0
8/16/2010	8,246	8,568	8/16/2010	8,246	8,568	Slk Wtr	7,644	Sand	389,100	84.0
8/17/2010	7,846	8,168	8/17/2010	7,846	8,168	Slk Wtr	8,901	Sand	483,700	84.0
8/18/2010	7,446	7,768	8/18/2010	7,446	7,768	Slk Wtr	8,146	Sand	476,100	85.0

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

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Maximum TVD of wellbore: 7139 ft TVD @ 12315 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	7046	6934
GENESEO (SH)	7046	6934	7105	6973
TULLY (LS)	7105	6973	7190	7021
HAMILTON (SH)	7190	7021	7341	7083
MARCELLUS (SH)	7341	7083		
TD OF LATERAL			12315	7139