WR-35 Rev (9-11)

State of West Virginia Department of Environmental Protection Office of Oil and Gas

DATE:	1-26-2012	
API#:	47-097-03719	

Well Operator's Report of Well Work

m name: Lynette Howes	Operator We	Operator Well No.: 3H (831595)				
CATION: Elevation: 1850'	Quadrangle:	Ovadrangle: Buckhannon				
	_ ` `		WV	MAR 2 0 20 GEOLOGICAL MORGANTOWN		
District: Washington Latitude: 11,185' Feet South of 38 Dea		County: Upshur 55 Min. 00 Sec.				
		n. 00 Se				
Company: Chesapeake Appalachia, L.L.C.	Casing &	Used in	Left in well	C		
Address: P.O. Box 18496	Tubing	drilling	Left in Well	Cement fill up Cu. Ft.		
Oklahoma City, OK 73154-0496	20"	40'	40"	Driven		
Agent: Eric Gillespie	13 3/8"	515'	515'	518 cf		
Inspector: Bill Hatfield	9 5/8"	2452'	2452'	1133 cf		
Date Permit Issued: 4/29/2010	5 1/2"	12375'	12375'	2454 cf		
Date Well Work Commenced: 8/16/2010						
Date Well Work Completed: 1/19/2011						
Verbal Plugging:						
Date Permission granted on:						
Rotary Cable Rig						
Total Vertical Depth (ft): 7332'						
Total Measured Depth (ft): 12,375'						
Fresh Water Depth (ft.): 400'						
Salt Water Depth (ft.): None						
Is coal being mined in area (N/Y)? N				-		
Coal Depths (ft.): None						
Void(s) encountered (N/Y) Depth(s) N						
Gas: Initial open flow 936 MCF/d Oil: Initial open Final open flow MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure 3,299 psig (surface pressure) a Second producing formation Pay z	v zone depth (ft) flow B bw Bb Hours after Hou one depth (ft)	7,908-12,230' bl/d bl/d s rs	ata on separate s	heet)		
Gas: Initial open flowMCF/d Oil: Initial open Final open flowMCF/d Final open flow						
Time of open flow between initial and final tests						
Static rock Pressurepsig (surface pressure) a						

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.

Marley Williams Signature

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MAR 2 0 2012

WV GEOLOGICAL SURVEY Were cuttings caught during drilling? Yes Y No______ Were core samples taken? Yes No N Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____ LWD GR from 6647-12328' 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): PBTD cement - 12,280' Formations Encountered: Top Depth / Bottom Depth Surface: (See Attached)

Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
SS/LS	0	500
SS/SHALE	500	800
SHALE/SS	800	1100
SHALE/SS	100	1400
Big Lime	1400	1600
Big Injun	1600	1710
SHALE/SS	1710	2450
SILT/SHALE	2450	6050
SHALE/LS	6050	6750
SHALE	6750	7143
Geneseo	7143	7212
Tully	7212	7252
Hamilton	7252	7457
Marcellus	7457	12375

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WV GEOLOGICAL SURVEY MORGANTOWN, WV

PERFORATION RECORD ATTACHMENT

MAR 2 0 2012

Well Name and Number: Lynette Howes 3H (831595)

WV GEOLOGICAL SURVEY MORGANTOWN, WV

PERFORATION RECORD			STIMULATION RECORD MORGANTOWN, WV							
	Interval F	Perforated					Fluid		Propping Agent	
Date	From	То	Date	Interval	Treated	Туре	Amount	Type	Amount	Average Injection
1/9/2011	11,908	12,230	1/9/2011	11,908	12,230	Slk Wtr	10,837	Sand	401,634	87.0
1/10/2011	11,508	11,830	1/10/2011	11,508	11,830	Slk Wtr	9,562	Sand	382,803	78.0
1/12/2011	11,108	11,430	1/12/2011	11,108	11,430	Slk Wtr	8,685	Sand	305,917	88.0
1/13/2011	10,708	11,030	1/13/2011	10,708	11,030	Slk Wtr	8,888	Sand	397,390	89.0
1/14/2011	10,308	10,630	1/14/2011	10,308	10,630	Slk Wtr	9,005	Sand	402,077	88.0
1/15/2011	9,908	10,230	1/15/2011	9,908	10,230	Slk Wtr	8,655	Sand	402,403	88.0
1/16/2011	9,512	9,836	1/16/2011	9,512	9,836	Slk Wtr	8,661	Sand	401,888	91.0
1/17/2011	9,108	9,430	1/17/2011	9,108	9,430	Slk Wtr	8,829	Sand	404,666	94.0
1/18/2011	8,708	9,030	1/18/2011	8,708	9,030	Slk Wtr	9,256	Sand	403,038	93.0
1/18/2011	8,310	8,630	1/18/2011	8,310	8,630	Slk Wtr	8,839	Sand	403,008	93.0
1/19/2011	7,908	8,230	1/19/2011	7,908	8,230	Slk Wtr	9,176	Sand	401,484	94.0