WR-35 Rev (9-11)

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

DATE:	1-26-2012	
API#:	47-041-05594	

Well Operator's Report of Well Work

Farm name: Lloyd McCauley	Operator We	ll No.: 5H	RECEIVED MAR 1 9 2012	
LOCATION: Elevation: 1451'	Quadrangle:	Walkersville		
District: Collins Settlement	County: Lewi	S	W۱	
Latitude: 3400' Feet South of 38 Deg.	50 Min	1. <u>00</u> Se	c.	<u>' GEO</u> LOGICAL SURVEY MORGANTOWN, WV
Longitude 9900' Feet West of 80 Deg.	Mir	nSe	c.	, .,
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"	592'	592'	684 cf
Agent: Eric Gillespie	9 5/8"	1711'	1711'	761 cf
Inspector: Bryan Harris	7"	7392	7392'	672 cf
Date Permit Issued: 11/17/2009	4 1/2"	10600'	4325.38'	449 cf
Date Well Work Commenced: 5/12/2010				
Date Well Work Completed: 8/28/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 6,908'				
Total Measured Depth (ft): 10,612'			·	
Fresh Water Depth (ft.): 475'				
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				
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay z Gas: Initial open flow 1.731 MCF/d Oil: Initial open flow MCF/d Final open flow	one depth (ft) owBl	/,343'-10,385' bl/d l/d	ata on separate si	heet)
Time of open flow between initial and final tests Static rock Pressure 3,109 psig (surface pressure) aft				
psig (surface pressure) are	erFlou	15		
Second producing formation Pay zon				
Gas: Initial open flow MCF/d Oil: Initial open flow				
Final open flow MCF/d Final open flow Time of open flow between initial and final tests				
Static rock Pressurepsig (surface pressure) after				
certify under penalty of law that I have personally examined as			nation 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.

Were core samples taken? YesNo_N	Were cuttings caught during drill	ing? Yes Y No
Were Electrical, Mechanical or Geophysical logs recorded or LWD GR from 5410-10612' MD.	this well? If yes, please list	
NOTE: IN THE AREA BELOW PUT THE FOLI FRACTURING OR STIMULATING, PHYSICAL CHA DETAILED GEOLOGICAL RECORD OF THE TOI COAL ENCOUNTERED BY THE WELLBORE FROM	NGE, ETC. 2). THE WELL LOG WI PS AND BOTTOMS OF ALL FOR	FORATED INTERVALS, HICH IS A SYSTEMATIC RMATION FINE EUDING D
		MAR 19 2012
Perforated Intervals, Fracturing, or Stimulating:		WV GEOLOGICAL SURVEY
(See Attached)		MORGANTOWN, WV
		1.11
	,	
Plug Back Details Including Plug Type and Depth(s):		
Formations Encountered: Top 1 Surface:	Depth /	Bottom Depth
(See Attached)		
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Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
SHALE/SS	0	300
LS/SS	300	600
SHALE	600	800
SS/LS	800	900
SHALE	900	1060
SS	1060	1443
LS	1371	1443
Big Lime	1443	1628
Big Injun	1628	1667
SHALE	1667	6869
Geneseo	6869	6955
Tully	6955	6782
Hamilton	6782	7205
Marcellus	7205	10612

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WV GEOLOGICAL SURVEY MORGANTOWN, WV

MAR 19 2012

PERFORATION RECORD ATTACHMENT

Well Name and Number: Lloyd McCauley 5H (831602)

WV GEOLOGICAL SURVEY MORGANTOWN, WV

PERFORATION RECORD			STIMULATION RECORD							
	Interval P	erforated				Fluid		Propping Agent		Averag
Date	From	То	Date	Interval	Treated	Туре	Amount	Type	Amount	Injectio
8/16/10	10,063	10,385	8/16/10	10,063	10,385	Slk Wtr	6,581	Sand	345,795	85
8/21/10	9,663	9,985	8/21/10	9,663	9,985	Slk Wtr	6,591	Sand	411,689	88
8/25/10	9,343	9,585	8/25/10	9,343	9,585	Slk Wtr	7,576	Sand	321,988	81
8/25/10	8,943	9,265	8/25/10	8,943	9,265	Slk Wtr	8,556	Sand	400,205	85
8/25/10	8,543	8,865	8/25/10	8,543	8,865	Slk Wtr	8,598	Sand	252,223	84
8/26/10	8,143	8,465	8/26/10	8,143	8,465	Slk Wtr	10,630	Sand	397,166	85
8/27/10	7,743		8/27/10	7,743	8,065	Slk Wtr	10,229	Sand	397,937	88
8/27/10	7,343	7,665	8/27/10	7,343	7,665	Slk Wtr	10,330	Sand	388,077	88
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