

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

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Farm name: Lloyd McCauley Operator Well No.: 3H (831601)

LOCATION: Elevation: 1451' Quadrangle: Walkersville

MAR 19 2012

District: Collins Settlement County: Lewis
Latitude: 3,420' Feet South of 38 Deg. 50 Min. 00 Sec.
Longitude 9860' Feet West of 80 Deg. 25 Min. 00 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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"	605'	605'	649 cf
Agent: Eric Gillespie	9 5/8"	1731'	1731'	774 cf
Inspector: Bryan Harris	7"	7215'	7215'	629 cf
Date Permit Issued: 11/17/2009	4 1/2"	10698'	4768.64'	529 cf
Date Well Work Commenced: 1/6/2010				
Date Well Work Completed: 8/23/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,886'				
Total Measured Depth (ft): 10,708'				
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 formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,096'-10,558'
Gas: Initial open flow 2,027 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 3,099 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.

Maureen Williams
Signature

3/16/2012
Date

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Mechanical

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.

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Perforated Intervals, Fracturing, or Stimulating:

MAR 19 2012

See Attached

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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)
SHALE/SS	0	300
LS/SS	300	600
SHALE	600	800
SS/LS	800	900
SHALE	900	1060
SS	1060	1371
LS	1371	1443
Big Lime	1443	1994
First Sand	1994	2519
Lower Huron	2519	2992
Ball Town	2992	3993
Benson	3993	5243
Elk	5243	6502
Middlesex	6502	6712
Geneseo	6712	6752
Tully	6752	6774
Hamilton	6774	6843
Marcellus	6843	6873
Lower Marcellus	6873	10708

