

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: 7/2/2013
API #: 47-099-02271

Farm name: Billy Stewart Operator Well No.: Musick #5

LOCATION: Elevation: 982' Quadrangle: Prichard 7.5

District: Butler County: Wayne
Latitude: 6200 Feet South of 38 Deg. 10 Min. 00 Sec.
Longitude 2175 Feet West of 82 Deg. 30 Min. 00 Sec.

Company: Teddy Adkins

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
14485 S Calhoun Hwy Arnoldsburg, WV 25234	10-3/4"	362'	362'	235 sks.
Agent: <u>Teddy Adkins</u>	7"	1464'	1464'	193 sks.
Inspector: <u>Ralph Triplett</u>	4-1/2"		2370'	58 sks.
Date Permit Issued: <u>9/27/2012</u>				
Date Well Work Commenced: <u>10/22/2012</u>				
Date Well Work Completed: <u>10/25/2012</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>2400'</u>				
Total Measured Depth (ft): <u>2400'</u>				
Fresh Water Depth (ft.): <u>none</u>				
Salt Water Depth (ft.): <u>980'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>NONE</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Berea Pay zone depth (ft) 2187-2269
Gas: Initial open flow show MCF/d Oil: Initial open flow show Bbl/d
Final open flow show MCF/d Final open flow 4 Bbl/d
Time of open flow between initial and final tests 18 Hours
Static rock Pressure 440 psig (surface pressure) after 48 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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Office of Oil and Gas
WV Dept. of Environmental Protection

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.

Teddy Adkins
Signature

8/6/13
Date

09/27/2013

Musick #5 (47-099-02271)

Were core samples taken? Yes ___ No x Were cuttings caught during drilling? Yes ___ No x

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

Gamma Ray/Neutron/Density/Induction/Temperature/PE

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:

Perforated: 2187 - 2189 6 holes; 2231 2 holes; 2244-2246 3 holes; 2263 2 holes; 2269 2 holes

Foam Frac using 500 gal acid; 25,000 lbs. 20/40 sand; 23,080 scf N2; 181 bbl. water

Formations Encountered:	Top Depth	Bottom Depth	
Surface	0	10	
Slate	10	90	
Sand	90	110	
Slate	110	210	
Sand	210	245	
Slate	245	290	
Sand	290	335	
Slate	335	390	Run 10-3/4" 3362' pipe cemented to surface
Sand	390	460	
Slate	460	610	
Sand	610	790	
Salt Sand	790	1260	water @ 980'
Slate	1260	1270	
Sand	1270	1420	
Little Lime	1420	1450	
Pencil Cave	1450	1454	
Big Lime	1454	1562	Run 7" 1464' Cemented back to 350'
Big Injun Sand	1562	1600	
Sand	1600	1654	
Slate & Shells	1654	2110	
Shells	2110	2150	
Slate	2150	2172	
Coffee Shale	2172	2182	
Berea Sand	2182	2190	Run 4-1/2" 2370 cemented back to 1300'
Sand, Slate & Shells	2190	2400	TD 2400'

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08/27/2013