

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 #: 47-099-02270

Farm name: Billy Stewart Operator Well No.: Musick #4

LOCATION: Elevation: 982' Quadrangle: Prichard 7.5

District: Butler County: Wayne
Latitude: 5400 Feet South of 38 Deg. 10 Min. 00 Sec.
Longitude 3150 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'	234 sks
Agent: <u>Teddy Adkins</u>	7"	1460'	1460'	225 sks
Inspector: <u>Ralph Triplett</u>	4-1/2"		2383'	105 sks
Date Permit Issued: <u>9/27/12</u>				
Date Well Work Commenced: <u>10/14/2012</u>				
Date Well Work Completed: <u>10/19/12</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>2425'</u>				
Total Measured Depth (ft): <u>2425'</u>				
Fresh Water Depth (ft.): <u>260'</u>				
Salt Water Depth (ft.): <u>1260'</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) 2207 -2295

Gas: Initial open flow show MCF/d Oil: Initial open flow 2 Bbl/d

Final open flow show MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 18 Hours

Static rock Pressure 0 psig (surface pressure) after 48 Hours

NO RESULT FROM FRAC - WILL REFRAC

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 #4

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:

Perforations: 2207 - 2211 8 holes; 2218 1 hole; 2222 1 hole; 2291 1 hole; 2295 1 hole

FOAM FRAC USING 500 GAL ACID; 25,000 LBS. 20/40 SAND; 29,900 SCF NITROGEN; 233 BBL. WATER

Formations Encountered:	Top Depth	Bottom Depth	
Surface	0	12	
Sand	12	47	
Slate	47	74	
Sand	74	114	
Slate	114	147	
Sand	147	190	
Slate	190	240	
Sand	240	345	
Slate	345	422	
Sand	422	544	
Slate	544	560	
Sand	560	612	
Slate	612	682	
Sand	682	707	
Slate	707	824	Run 362' 10-3/4" Cement back to surface
Sand	824	945	
Slate	945	955	
Salt Sand	955	1260	
Slate	1260	1277	Water 1270' Hole Full
Sand	1277	1440	Run 1460' 7" - Cement back to surface
Little Lime	1440	1470	
Pencil Cave	1470	1473	
Big Lime	1473	1504	
Big Injun Sand	1504	1537	
Stray Sand	1537	1695	
Shell	1695	1711	
Shell (Hard)	1711	1743	
Slate	1743	1822	
Slate & Shells	1822	2106	
Coffee Shale	2106	2127	
Berea Sand	2127	2133	Show Oil Run 4-1/2" 2383' cement back to 1250'
Slate and Shells	2133	2148	
Shell	2148	2162	
Sand & Shale	2162	2425	
TD		2425	

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