

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: 1/3/2013  
API #: 47-001-03104F

Farm name: Ward, A.M. & Jean W. Operator Well No.: Ward 2241H

LOCATION: Elevation: 1284' Quadrangle: Brownnton

District: Union County: Barbour  
Latitude: 10,898' Feet South of 39 Deg. 10 Min. 00 Sec.  
Longitude 4,818' Feet West of 80 Deg. 12 Min. 30 Sec.

Company: XTO Energy Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>PO Box 1008, Jane Lew, WV 26378</u>	<u>20"</u>	<u>40'</u>	<u>40'</u>	<u>CTS</u>
Agent: <u>Gary Beall</u>	<u>13-3/8"</u>	<u>295'</u>	<u>295'</u>	<u>CTS</u>
Inspector: <u>Bryan Harris</u>	<u>9-5/8"</u>	<u>2646'</u>	<u>2646'</u>	<u>CTS</u>
Date Permit Issued: <u>2/12/2010</u>	<u>5-1/2"</u>	<u>10313'</u>	<u>10313'</u>	<u>Lead 2399bbs/Tel 203bbs</u>
Date Well Work Commenced: <u>1/14/2011</u>				
Date Well Work Completed: <u>10/4/12</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>7,590'</u>				
Total Measured Depth (ft): <u>10,313'</u>				
Fresh Water Depth (ft.): <u>None Noted</u>				
Salt Water Depth (ft.): <u>1,295'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None Noted</u>				
Void(s) encountered (N/Y) Depth(s) <u>None Noted</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7588-7727

Gas: Initial open flow 149 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 418 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 650 psig (surface pressure) after 12 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.

  
Signature

1-4-13  
Date

01/25/2013

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes  No \_\_\_\_\_

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

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Gerrard Unit 1H API# 47-033-05429). Please reference wireline logs submitted with Form WR-35 for Gerrard Unit 1H.

**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: 7382' - 13,919' MD (1,368 holes)

Frac'd w/ 10,000 gals 15% HCL Acid, 143,272 bbls Slick Water carrying 690,632# 100 mesh, 3,195,167# 40/70 and 2,173,270# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Big Lime est.	1,551'		1,613'
Big Injun est.	1,614'		1,983'
Gantz Sand est.	1,984'		2,069'
Fifty Foot Sandstone est.	2,070'		2,269'
Gordon est.	2,270'		2,507'
Fifth Sandstone est.	2,508'		3,225'
Speechley est.	3,226'		3,440'
Balltown est.	3,441'		3,917'
Bradford est.	3,918'		4,559'
Benson est.	4,560'		4,886'
Alexander est.	4,887'		5,137'
Elk est.	5,138'		6,413'
Sycamore	6,414'		6,690'
Sonyea	6,691'		6,691'
Middlesex	6,692'		6,830'
Genundewa	6,831'		6,866'
Burket	6,867'		6,891'
Tully	6,892'		7,024'
Hamilton	7,025'		7,109'
Marcellus	7,110'		7,281' TVD