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: 4/26/2012
API #: 47-049-02157

Farm name: XTO Energy, Inc. Operator Well No.: McClelland 4H

LOCATION: Elevation: 9,711' Quadrangle: Shinnston 7.5'

District: Lincoln County: Marion
Latitude: 2,510' Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 9,290' Feet West of 80 Deg. 17 Min. 30 Sec.

Company: XTO Energy, Inc.

Address: PO Box 1008, Jane Lew, WV 26378	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	20"	40'	40'	CTS
Agent: Gary Beall	13 3/8"	617'	617'	550 sks
Inspector: Sam Ward	9 5/8"	3,011'	3,011'	610 sks
Date Permit Issued: 4/14/2011	5 1/2"	10,151'	10,151'	1471 sks
Date Well Work Commenced: 4/30/2011				
Date Well Work Completed: 11/04/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7,158'				
Total Measured Depth (ft): 10,177'				
Fresh Water Depth (ft.): 90'				
Salt Water Depth (ft.): 1,025', 1,225'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 103'				
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) 7,155'
Gas: Initial open flow Show MCF/d Oil: Initial open flow ---- Bbl/d
Final open flow Show 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

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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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

4-30-12
Date

03/08/2013

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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 MWD, GR, ROP, VS, Mud Logs, & TVD

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:

Stg 1 Marcellus; 9,900'-10,082'; 72 shots; Slick water frac; Avg treating 7463 psi@77 bpm; 80,800#s 100 mesh; 212,700#s 30/50 mesh; 7,477 bbl water

Stg 2 Marcellus; 9,602'-9,764'; 72 shots; Slick water frac; Avg treating 7276 psi@77 bpm; 79,200#s 100 mesh; 264,800#s 30/50 mesh; 9,252 bbl water, 800 bbl treated water

Stg 3 Marcellus; 9,348'-9,532'; 72 shots; Slick water frac; Avg treating 7477 psi@73 bpm; 69,300#s 100 mesh; 241,000#s 30/50 mesh; 7,444 bbl water

Stg 4 Marcellus; 9,081'-9,263'; 72 shots; Slick water frac; Avg treating 8006 psi@64 bpm; 55,500#s 100 mesh; 133,675#s 30/50 mesh; 6,747 bbl water

Stg 5 Marcellus; 8,808'-8,990'; 72 shots; Slick water frac; Avg treating 7560 psi@71 bpm; 52,700#s 100 mesh; 156,500#s 30/50 mesh; 5,558 bbl water

Stg 6 Marcellus; 8,535'-8,717'; 72 shots; Slick water frac; Avg treating 7574 psi@76 bpm; 73,300#s 100 mesh; 254,000#s 30/50 mesh; 7,238 bbl water, 266 bbl treated water

Plug Back Details Including Plug Type and Depth(s):

See additional page

Formations Encountered: Surface:	Top Depth / Bottom Depth	
Fill	0 - 40	
Sand	40-100	1/2" H20 @ 90
Shale	100-103	
Coal	103-108	
Sand	108-125	
Sand/Shale	125-185	
Sand	185-230	
Red Shale	230-248	
Grey Shale	248-325	
Shale & Sand	325-435	
Sand	435-500	
Red Shale	500-525	
SD&SH	525-600	
SD	600-620	
See additional page		

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Additional Stages

Stg 7 Marcellus; 8,262'-8,444'; 72 shots; Slick water frac; Avg treating 7677 psi@78 bpm; 222,000#s 100 mesh; 62,000#s 30/50 mesh; 6,830 bbl water, 536 bbl treated water

Stg 8 Marcellus; 7,989'-8,171'; 72 shots; Slick water frac; Avg treating 7470 psi@77 bpm; 78,100#s 100 mesh; 230,500#s 30/50 mesh; 7,100 bbl water, 761 bbl treated water

Stg 9 Marcellus; 7,716' - 7,898'; 72 shots; Slick water frac; Avg treating 7695 psi@77 bpm; 73,900#s 100 mesh; 234,200#s 30/50 mesh; 6,559 bbl water, 177 bbl treated water

Formation Log Continued

SS	620	750	
SS, SH	750	897	
SH	897	945	
SS	945	1050	Damp @ 1025'
SH, SS	1050	1155	
SH	1155	1285	1" Stream H20 @ 1225'
SS	1285	1320	
SH	1320	1375	
SS,SH	1375	1445	
SS	1445	1750	
SS,SH	1750	2130	
SH	2130	2200	
SS	2200	2287	
SH	2287	2560	
SS,SH	2560	3048	
SH, SLTST	3048	3310	
SH,SLTST,SS	3310	3880	
SH,SLTST	3880	4240	
SH	4240	4330	
SH,SLTST	4330	4720	
SLTST,SH	4720	5200	
SH,SLTST	5200	5550	
SH	5550	6340	
SH,SS	6340	6400	
SH	6400	6900	
SH,LS	6900	6920	
SH	6920	7000	
LS, SH	7000	7220	
SH	7220	10177	

Burkett	6916MD	6981MD
	6879TVD	6929TVD
Tully	6981MD	7052MD
	6929TVD	6982TVD
Hamilton	7052MD	7153MD
	6982TVD	7045TVD
Marcellus	7153MD	10177MD
	7045TVD	7158TVD

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