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:	3/26/2012	1
API#:	47-001-03104	V

arm name: Ward, A.M. & Jean W.	Operator ² We	ll No.: <u>Ward 224</u>	1H	
OCATION: Elevation: 1284'	Quadrangle:	Brownton		
District: Union	County: Barb	our		
Latitude: 10,698' Feet South of 39 De	eg. 10 Min	n. 00 Se	c.	
Longitude 4.816 Feet West of 80 D	Deg. <u>12</u> Min	n. 30 Se	c.	
Company: XTO Energy, Inc.				
Address: PO Box 1008	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Jane Lew, WV 26378	20"	40'	40'	C.T.S.
Agent: Gary Beall	13 3/8"	295'	295'	C.T.S.
Inspector: Bryan Harris	9 5/8"	2646'	2646'	C.T.S.
Date Permit Issued: 2/12/2010	5 1/2"	10313'	10313'	Lead 239bbls/Tail 293bbls
Date Well Work Commenced: 1/14/2011				
Date Well Work Completed: 1/31/2011	ţ			
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 7,590				
Total Measured Depth (ft): 10,313				
Fresh Water Depth (ft.): None Noted	= =====================================			
Salt Water Depth (ft.): 1,295'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None Noted				
Void(s) encountered (N/Y) Depth(s) None Note	ed			
OPEN FLOW DATA (If more than two producing form Producing formation Marcellus P Gas: Initial open flow MCF/d Oil: Initial open Final open flow MCF/d Final open Time of open flow between initial and final tests Static rock Pressure psig (surface pressure	Pay zone depth (ft) en flow	Bbl/d bl/d s	√.	iheet)
Second producing formationPay			*	
Gas: Initial open flowMCF/d Oil: Initial open Final open flowMCF/d Final open				w.e.
Time of open flow between initial and final tests_				
Static rock Pressurepsig (surface pressure				
certify under penalty of law that I have personally examinal the attachments and that, based on my inquiry of those is that the information is true, accurate, and complete.	individuals immed	iately responsib		
Signatu	ire		Date	

Were core samples taken? Ye	es No_^	Were c	uttings caught during drill	ing? Yes No
Were Electrical, Mechanical or Rate of Penetration, Total Gas	r Geophysical logs reco	ded on this well? If yes, please list MWD, Gamma Ray,		
NOTE: IN THE AREA FRACTURING OR STIMU DETAILED GEOLOGICA COAL ENCOUNTERED BY	LATING, PHYSICAL L RECORD OF TH	L CHANGE, ETC. 2 (E TOPS AND BO). THE WELL LOG WI TTOMS OF ALL FOF	HICH IS A SYSTEMATIC
Perforated Intervals, Fracturing	g, or Stimulating:			
Well not fractured yet				
	A			
	T. 110			
Plug Back Details Including Pl	lug Type and Depth(s):			
Formations Encountered: Surface:		Top Depth		Bottom Depth
Shale - Grey	0 - 100			
SS- Grey	100-125			
SS & SH - Brown	125-195			- Company Children
SH - Red	195-210		RECE	
SH & SS - Brown/Grey	210-595		Office of	ni a ans
SH - Red	595-615		MAY 2	9 2012
SH & SS - Grey	615-740		The second secon	
SS - White	740-790		WY Deni	artment of
SS & SH Grey	790-990		Environmen	tal Protection
SH - Black	990-1040			
SS & SH - Grey	1040-1375			-
SH - Red	1375-1410			
SH & SS - Grey	1410-1823			
continued on attached pa	ıge			

Ward 2241H 47-001-03104 Continued

FORMATION	TVD
BIG INJUN*	1823
GANTZ SAND*	2060
50FT SAND*	2107
30FT SAND*	2205
GORDON SAND*	2280
4TH SAND*	2537
5TH SAND*	2621
UPPER BALLTOWN*	3439
BALLTOWN*	3517
LOWER BALLTOWN*	3723
GENESEO SHALE	7412
TULLY LIMESTONE	7434
HAMILTON SHALE	7470
MARCELLUS SHALE	7598
PURCELL LIMESTONE	7634

^{*} Tops projected from offset log due to air drilling and therefore not logging this section

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