WR-35 Rev (8-10)

## State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

DATE:	9/15/11
API#:	47-049-02146

Farm name: Zogol, John & Rebecca	Operator Well No.: Zogol A 2H				
LOCATION: Elevation: 1,233'	Quadrangle: Shinnston 7.5'				
District: Lincoln	County: Marion				
Latitude: 5,250' Feet South of 39 Deg.					
Longitude 4.560' Feet West of 80 Deg.	20' Min	. <u>00"</u> Sec	<b>.</b>		
Company:					
	Casing &	Used in	Left in well	Cement fill	
Address:	Tubing	drilling		up Cu. Ft.	
XTO Energy, Inc., PO Box 1008, Jane Lew, WV 26378	20"	120'	120'	Screwed In	
Agent: Gary Beall	13 3/8"	706'	706'	600 SKS - C.T.S.	
Inspector: Tristan Jenkin	9 5/8"	2,989'	2,989'	815 SKS- C.T.S.	
Date Permit Issued: 3/1/11	5 1/2"	10,477'	10,477'	1,311 SKS	
Date Well Work Commenced: 3/26/11					
Date Well Work Completed: 5/27/11					
Verbal Plugging:					
Date Permission granted on:					
Rotary X Cable Rig					
Total Vertical Depth (ft): 7,478'					
Total Measured Depth (ft): 10,477'					
Fresh Water Depth (ft.): None Noted					
Salt Water Depth (ft.): 2250'					
Is coal being mined in area (N/Y)? N					
Coal Depths (ft.): 460' - 500'					
Void(s) encountered (N/Y) Depth(s) N					
		±	1	<u></u>	
OPEN FLOW DATA (If more than two producing formation	•		ta on separate sl	neet)	
	one depth (ft)		Konin		
	Gas: Initial open flow Show MCF/d Oil: Initial open flow Bbl/d  Final open flow MCF/d Final open flow Bbl/d			RECEIVED	
Time of open flow between initial and final tests ————Hours		Office of Oil & Gas			
Static rock Pressurepsig (surface pressure) afterHours			SEP 2 0 2011		
Second producing formation Pay zon	a double (A)		J	C1 & 0 C011	
Gas: Initial open flow MCF/d Oil: Initial open flo			WV i	Jepailment of	
Final open flowMCF/d Final open flowBbl/d			Environmental Protection		
Time of open flow between initial and final tests			wwara a m at #Not Kh	enwesthan s swellings.	
Static rock Pressure psig (surface pressure) after		rs			

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

9-16-1/ Date

Were core samples taken? YesNo_N	Were cuttings caught during drilling? Yes Y No
Were $\frac{Y}{Y/N}$ Electrical, $\frac{Y}{Y/N}$ Mechanical, $\frac{Y}{Y/N}$ or Geophysical leads to $\frac{Y}{Y/N}$	ogs recorded on this well?
NOTE: IN THE AREA BELOW PUT THE FOLLOWING FRACTURING OR STIMULATING, PHYSICAL CHANGE, DETAILED GEOLOGICAL RECORD OF THE TOPS AND BENCOUNTERED BY THE WELLBORE FROM SURFACE TO Perforated Intervals, Fracturing, or Stimulating:	ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC SOTTOMS OF ALL FORMATIONS, INCLUDING COAL
Stg 1 Marcellus; MD- 10,234'-10,404'; 72 shots; Slick water frac; Avg treating 7185 psi@79 bpm;	· · · · · · · · · · · · · · · · · · ·
Stg 2 Marcellus; MD- 9,978'-10,148'; 72 shots; Slick water frac; Avg treating 7481 psi@80 bpm;	
Stg 3 Marcellus; MD- 9,722'-9,892'; 72 shots; Slick water frac; Avg treating 7083 psi@77 bpm;	
Stg 4 Marcellus; MD- 9,466'-9,636'; 72 shots; Slick water frac; Avg treating 7339 psi@81 bpm;	75,300#s 100 mesh; 254,400#s 30/70 mesh; 8,127 bbl water, 501 bbl recycled water
Stg 5 Marcellus; MD- 9,210'-9,380'; 72 shots; Slick water frac; Avg treating 7006 psi@80 bpm;	73,500#s 100 mesh; 288,400#'s 30/70 mesh; 8,247 bbl water, 500 bbl recycled water
Stg 6 Marcellus; MD- 8,954'-9,124'; 72 shots; Slick water frac; Avg treating 7277 psi@88 bpm;	76,000#s 100 mesh; 353,000#s 30/50 mesh; 7,957 bbl water, 507 bbl recycled water
Stg 7 Marcellus; MD- 8,698'-8,868'; 72 shots; Slick water frac; Avg treating 6814 psi@80 bpm;	79,100#'s 100 mesh; 289,600#'s 30/50 mesh; 8,403 bbi water, 211 bbl recycled water
See additional page	
Formations Encountered: Top Depth Surface:  See attached page	/ Bottom Depth
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Zogol A 2H

	Тор	Bottom	Water at
Formation Name or Type	(feet)	(feet)	(fresh / brine; ft.)
SH	0	220	
SH	220	460	
COAL	460	500	
SH	500	700	
SS	700	730	
SH	730	780	······································
SS	780	820	<del></del>
SS, SH	820	1065	
SS	1065	1100	
SS,SH	1100	1325	·
SH	1325	1500	
SS,SH	1500	1800	
SS	1800	1962	····
SH	1962	2156	
SH, SS	2156	2483	@2250
SS	2483	2672	<u> </u>
SH	2672	2797	<del></del>
SS, SH	2797	2991	
SS,SLTST	2991	3300	
SLTST, SS,SH	3300	3390	
SLTST, SS,SH	3390	3630	
SLTST, SH	3630	3750	·
SS,. SLTST, TR SH,LS	3750	3810	
SLTST, SS,SH	3810	4110	
SLTST, SH	4110	4200	
SS,SLTST, SH	4200	4320	
SH, SLTST	4320	4410	
SS, SLTSR	4410	4530	
SH	4530	4680	
SH, SLTST	4680	4890	
SH,SLTST,SS	4890	4980	
SH, SLTST	4980	5010	
SH,SLTST,SS	5010	5200	·
SH,SLTST,SS	5200	5460	
SS, SLTST	5460	5680	
SH, SLTST	5680	5730	·
SS,SLTST	5730	5910	
SH,SLTST,SS	5910	6060	
SH	6060	7350	
LS, SH	7350	7470	
SH	7470	7800	
SH,LS	7800	7825	
SH	7825	8150	
LS, SH	8150	8580	
SH	8580	10477	

Burkett 7,202' / 7,242' TVD 7,302' / 7,367' MD Tully 7,242' / 7,280' TVD 7,367' / 7,431' MD Hamiltion 7,280' / 7,352' TVD 7,431' / 7,573' MD Marcellus 7,352' / 7,478' TVD 7,573' / 10,477' MD

## 47-049-02146 Zogol A 2H

- Stg 8 Marcellus; MD- 8,442'-8,612'; 72 shots; Slick water frac; Avg treating 7281 psi@82 bpm; 75,600#'s 100 mesh; 284,900#'s 30/50 mesh; 8,820 bbl water
- Stg 9 Marcellus; MD- 8,186'-8,356'; 72 shots; Slick water frac; Avg treating 7730 psi@80 bpm; 76,000#'s 100 mesh; 282,300#'s 30/50 mesh; 9,680 bbl water
- Stg 10 Marcellus; MD- 7,930'-8,100'; 72 shots; Slick water frac; Avg treating 6888 psi@81 bpm; 77,100#'s 100 mesh; 265,800#'s 30/50 mesh; 8,748 bbl water