

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 #: 47-049-02084

Farm name: Zogol, John A. & Rebecca J. Operator Well No.: Zogol 2213H

LOCATION: Elevation: 1,233' Quadrangle: Shinnston 7.5'

District: Lincoln County: Marion
Latitude: 5.270' Feet South of 39 Deg. 30' Min. 00' Sec.
Longitude 4.560' Feet West of 80 Deg. 20' Min. 00' Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
XTO Energy, Inc., PO Box 1008, Jane Lew, WV 26378	20"	120'	120'	Screwed In
Agent: Gary Beall	13 3/8"	705'	705'	540 SKS - C.T.S.
Inspector: Tristan Jenkins	9 5/8"	2,985'	2,985'	833 SKS - C.T.S.
Date Permit Issued: 2/16/10	5 1/2"	10,462'	10,462'	1,297 SKS
Date Well Work Commenced: 3/5/11				
Date Well Work Completed: 5/26/11				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable Rig				
Total Vertical Depth (ft): 7,461'				
Total Measured Depth (ft): 10,462'				
Fresh Water Depth (ft.): 175'				
Salt Water Depth (ft.): 1617'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 550' - 620'				
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) 7422 / 7461' TVD

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

9-16-11
Date

01/20/2012

Were core samples taken? Yes _____ No N

Were cuttings caught during drilling? Yes Y No _____

Were Y Electrical, Y Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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; MD- 10,182'-10,388'; 72 shots; Slick water frac; Avg treating 6742 psi@83 bpm; 100,300#'s 100 mesh; 318,900#'s 30/70 mesh; 8,937 bbl water, 501 bbl recycled water

Stg 2 Marcellus; MD- 9,876'-10,82'; 72 shots; Slick water frac; Avg treating 6768 psi@81 bpm; 98,800#'s 100 mesh; 331,400#'s 30/70 mesh; 8,763 bbl water, 500 bbl recycled water

Stg 3 Marcellus; MD- 9,570'-9,776'; 72 shots; Slick water frac; Avg treating 6820 psi@81 bpm; 100,200#'s 100 mesh; 333,600#'s 30/70 mesh; 8,853 bbl water, 501 bbl recycled water

Stg 4 Marcellus; MD- 9,264'-9,470'; 72 shots; Slick water frac; Avg treating 7131 psi@79 bpm; 105,850#'s 100 mesh; 331,900#'s 30/70 mesh; 10,862 bbl water, 46 bbl recycled water

Stg 5 Marcellus; MD- 8,958'-9,164'; 72 shots; Slick water frac; Avg treating 7056 psi@82 bpm; 100,600#'s 100 mesh; 325,800#'s 30/70 mesh; 9,180 bbl water, 500 bbl recycled water

Stg 6 Marcellus; MD- 8,691'-8,858'; 72 shots; Slick water frac; Avg treating 7102 psi@84 bpm; 101,200#'s 100 mesh; 303,000#'s 30/70 mesh; 8,972 bbl water

Stg 7 Marcellus; MD- 8,477'-8,631'; 72 shots; Slick water frac; Avg treating 7154 psi@82 bpm; 74,100#'s 100 mesh; 205,100#'s 30/50 mesh; 7,438 bbl water

See additional page

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface: _____

SD & SH	120 - 200	Hole Damp @ 175'	SH & SD	1415 - 1515
SH	200 - 250		Grey Shale	1515 - 1617
SH & SD	250 - 430		Grey Sand	1617 - 1775 Little Water
White SD	430 - 445		Red Rock	1717 - 1830
Grey Rock	445 - 550		Grey Shale	1830 - 1950
Coal	550 - 620		Grey SH & SD	1950 - 3000
Grey Shale	620 - 835			
Red Shale	835 - 850			
SH & SD	850 - 950			
White Sand	950 - 1025			
Grey Shale	1025 - 1100			
SD & SH	1100 - 1400			
Grey Shale	1400 - 1415			

See additional page

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Stg 8 Marcellus; MD- 8,263'-8,417'; 72 shots; Slick water frac; Avg treating 6962 psi@82 bpm; 75,600#'s 100 mesh; 221,900#'s 30/50 mesh; 7,793 bbl water

Stg 9 Marcellus; MD- 7,957'-8,163'; 72 shots; Slick water frac; Avg treating 6843 psi@82 bpm; 98,300#'s 100 mesh; 328,000#'s 30/50 mesh; 9,104 bbl water

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Formation Name or Type	Top (feet)	Bottom (feet)
SH, SLTST	3000	3120
SLTST, SH, SS	3120	3240
SH, SLTST	3240	3450
SLTST, SH	3450	3510
SLTST, SH, SS, LS	3510	3540
SLTST, SH	3540	3660
SLTST, SH, SS	3660	3690
SH, SLTST	3690	3720
SLTST, SH, SS	3720	3780
SS, SLTST, SH	3780	3810
SS, SLTST, SH, LS	3810	3840
SLTST, SH, SS	3840	3900
SLTST, SH	3900	3960
SH, SLTST	3960	4050
SH, SLTST, LS	4050	4080
SH, SLTST	4080	4110
SLTST, SH, SS	4110	4200
SH, SLTST	4200	4260
SLTST, SH, SS	4260	4350
SLTST, SH	4350	4380
SLTST, SH, SS	4380	4440
SH, SLTST	4440	4470
SLTST, SS	4470	4500
SH, SLTST, SS	4500	4560
SLTST, SH	4560	4620
SLTST, SH, SS	4620	4680
SLTST, SH	4680	4740
SLTST, SH, SS	4740	4830
SH, SLTST	4830	4930
SH, SLTST, SS	4930	5010
SH, SLTST	5010	5070
SLTST, SH, SS	5070	5250
SH, SLTST	5250	5430
SLTST, SH	5430	5550
SH, SLTST	5550	5610
SLTST, SH, SS	5610	5670
SH, SLTST	5670	5920
SH	5920	7470
LS, SH	7470	7520
SH, LS	7520	7550
SH	7550	7920
SH, LS	7920	7950
SH	7950	9100
SH, LS	9100	9140
SH	9140	9880
SH,LS	9880	9970
SH	9970	10462

Burkett 7,210' / 7,250' TVD
7,424' / 7,476' MD
Tully 7,250' / 7,288' TVD
7,476' / 7,529' MD
Hamilton 7,288' / 7,360' TVD
7,529' / 7,653' MD
Marcellus 7,360' / 7,461' TVD
7,653' / 10,462' MD