

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

DATE: 2-21-2013  
API #: 4710302769

Farm name: Blatt WTZ 8H Operator Well No.: 834480

LOCATION: Elevation: 1,282' Quadrangle: Wileyville 7 1/2

District: Proctor County: Wetzel  
Latitude: 1,512' Feet South of 39 Deg. 45 Min. 00 Sec.  
Longitude 1.999' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	20"	142'	142'	392 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	1,194'	1,194'	1235 Cu. Ft.
Inspector: <b>Derek Haught</b>	9 5/8"	2,716'	2,716'	1162 Cu. Ft.
Date Permit Issued: 6-19-2012	5 1/2"	13,459'	13,459'	1235 Cu. Ft.
Date Well Work Commenced: 9-12-2012				
Date Well Work Completed: 2-15-2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,084'				
Total Measured Depth (ft): 13463'				
Fresh Water Depth (ft.): 256'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1109'-1117'				
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) 7,300-13,250

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow Not Tested 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.

Marlene Williams  
Signature

2-25-2013  
Date

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 LWD GR from 6,450' - 13,388' MD

**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:

See attached

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
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**PERFORATION RECORD ATTACHMENT**

Well Number and Name: 834480 Blatt WTZ 8H

PERFORATION RECORD			STIMULATION RECORD							
Date	Interval Perforated		Date	Interval Treated	Fluid		Propping Agent		Average Injection	
	From	To			Type	Amount	Type	Amount		
1/21/2013	12,822	13,250	2/9/2013	12,822	13,250	Slk wtr	11,007	Sand	656,040	77
2/9/2013	12,328	12,747	2/9/2013	12,328	12,747	Slk wtr	11,814	Sand	663,760	80
2/9/2013	11,825	12,244	2/10/2013	11,825	12,244	Slk wtr	11,243	Sand	660,000	78
2/10/2013	11,322	11,741	2/11/2013	11,322	11,741	Slk wtr	10,845	Sand	656,180	78
2/11/2013	10,819	11,239	2/11/2013	10,819	11,239	Slk wtr	10,946	Sand	665,773	80
2/11/2013	10,317	10,736	2/12/2013	10,317	10,736	Slk wtr	10,496	Sand	435,349	71
2/12/2013	9,811	10,233	2/12/2013	9,811	10,233	Slk wtr	11,016	Sand	660,680	79
2/12/2013	9,311	9,730	2/13/2013	9,311	9,730	Slk wtr	11,084	Sand	658,640	80
2/13/2013	8,808	9,223	2/13/2013	8,808	9,223	Slk wtr	11,084	Sand	659,743	80
2/14/2013	8,306	8,725	2/14/2013	8,306	8,725	Slk wtr	10,864	Sand	656,500	79
2/14/2013	7,801	8,222	2/15/2013	7,801	8,222	Slk wtr	11,381	Sand	575,962	69
2/15/2013	7,300	7,719	2/15/2013	7,300	7,719	Slk wtr	11,972	Sand	656,500	80

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**LATERAL WELLBORE (no vertical pilot hole associated with this well)****Maximum TVD of wellbore: 7,084 ft TVD @ 13,272 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	360	360
SS/SH/LS	360	360	390	390
SS/SH	390	390	752	752
SHALE	752	752	840	840
LS/SS/SH	840	840	1109	1109
PITTSBURGH COAL	1109	1109	1117	1117
SHALE	1117	1117	1270	1270
SH/SS	1270	1270	1400	1400
SS	1400	1400	1530	1530
SS/SH	1530	1530	1590	1590
SS	1590	1590	1930	1930
SS/SH	1930	1930	2010	2010
SH	2010	2010	2130	2130
SH/SS	2130	2130	2220	2220
BIG INJUN (SS)	2220	2220	2490	2490
SH	2490	2490	6840	6826
LS/SH	6840	6826	6880	6863
SHALE	6880	6863	6923	6901
GENESEO (SH)	6923	6901	6935	6911
TULLY (LS)	6935	6911	6962	6933
HAMILTON (SH)	6962	6933	7087	7016
MARCELLUS (SH)	7087	7016		
TD OF LATERAL			13463	7080

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