

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

DATE: 10-26-2012
API #: 47-103-02714

Farm name: Vernon Johnson WTZ 10H Operator Well No.: 834482

LOCATION: Elevation: 1438' Quadrangle: Littleton 7.5

District: Clay County: Wetzel
Latitude: 1315' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 11649' Feet West of 80 Deg. 32 Min. 30 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"	100'	100'	348 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	1333'	1333'	1487 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2895'	2895'	1223 Cu. Ft.
Date Permit Issued: 11-17-2011	5 1/2"	13379'	13379'	3261 Cu. Ft.
Date Well Work Commenced: 5-18-2012				
Date Well Work Completed: 7-29-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7729'(cement plug @6980'-8010')				
Total Measured Depth (ft): 13379'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1237'				
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) 8,000'-13,244'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 4,668* MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 41 Hours *Calculated
Static rock Pressure 4980* psig (surface pressure) after _____ Hours

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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

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.

Martine Williams
Signature

10-26-2012
Date

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 _____
Triple Combo in vertical and MWD GR in lateral.

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>/</u>	<u>Bottom Depth</u>
<u>Surface:</u>			

(See attached)

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WYOMING DEPARTMENT OF ENERGY

LATERAL WELLBORE

Maximum TVD of wellbore: 7693 ft TVD @ 9813 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/SLTSTN	0	0	300	300
SHALE	300	300	330	330
SS/SLTSTN	330	330	390	390
SS	390	390	1080	1080
SLTSTN	1080	1080	1284	1284
PITTSBURGH COAL	1284	1284	1290	1290
SLTSTN	1290	1290	1710	1710
SS/SLTSTN	1710	1710	1750	1750
SS	1750	1750	2210	2210
MAXTON	2210	2210	2370	2370
SHALE	2370	2370	2430	2430
LS	2430	2430	2498	2498
BIG INJUN	2498	2498	2754	2754
SHALE/SLTSTN	2754	2754	4380	4380
SLTSTN	4380	4380	4800	4800
SS/SLTSTN	4800	4800	4890	4890
SLTSTN	4890	4890	5280	5280
SHALE	5280	5280	5850	5850
SLTSTN	5850	5850	6300	6300
SHALE	6300	6212	7513	7374
MIDDLESEX	7513	7374	7658	7496
GENESEO	7658	7496	7689	7520
TULLY	7689	7520	7725	7547
HAMILTON	7725	7547	7892	7651
MARCELLUS	7892	7651	8017	7710
ONONDAGA	8017	7710	8029	7729
TD	8029	7729		
PLUG BACK	6904	6904		
SHALE	6904	6904	7500	7363
MIDDLESEX	7500	7363	7661	7498
GENESEO	7661	7498	7691	7520
TULLY	7691	7520	7730	7546
HAMILTON	7730	7546	7958	7651
MARCELLUS	7958	7651	13379	7658