

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

DATE: 6-10-2013
API #: 47-051-01581

Farm name: Michael Dunn MSH 10H Operator Well No.: 836175

LOCATION: Elevation: 1,260' Quadrangle: Majorsville

District: Webster County: Marshall
Latitude: 3,520' Feet South of 39 Deg. 55 Min. 00 Sec.
Longitude 7,130' 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"	117'	117'	214 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	429'	429'	499 Cu. Ft.
Inspector: Derek Haught	9 5/8"	2,308'	2,308'	1,077 Cu. Ft.
Date Permit Issued: 9-28-2012	5 1/2"	14,273'	14,273'	3,473 Cu. Ft.
Date Well Work Commenced: 2-7-2013				
Date Well Work Completed: 2-24-2013(Rig release date)				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,875'				
Total Measured Depth (ft): 14,273'				
Fresh Water Depth (ft.): 330'				
Salt Water Depth (ft.): 1,156'				
Is coal being mined in area (N/Y)? Y				
Coal Depths (ft.): 770'				
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) not frac'd _____

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

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

6-10-2013
Date

Majorsville (22) 10-U

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 _____

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:

Estimated frac date 2/19/2014

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

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

See attachment

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HORIZONTAL WELL (No pilot hole associated with this pad)				
Maximum TVD of wellbore:	6875 ft TVD @ 14273 ft MD			
Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS and SH	0	0	560	560
LS and SH	560	560	667	667
Pittsburgh Coal	667	667	678	678
LS and SH	678	678	930	930
SILTSTN and SH	930	930	1253	1253
SS and SILTSTN	1253	1253	1878	1861
Big Lime	1878	1861	1946	1928
Big Injun	1946	1928	2157	2134
SH and SILTSTN	2157	2134	4856	4838
SH	4856	4838	6771	6638
Geneseo	6771	6638	6795	6656
Tully	6795	6656	6834	6679
Hamilton	6834	6679	7068	6794
Marcellus	7068	6794	7084	6800
Purcell	7084	6800		
End of Well			14273	6875

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