

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

DATE: 8-7-2012
API #: 47-049-02173

Farm name: Daniel Morris MRN 3H Operator Well No.: 833805

LOCATION: Elevation: 1567' Quadrangle: Fairmont East

District: Winfield County: Marion
Latitude: 3,067' Feet South of 39 Deg. 30 Min. 00 Sec.
Longitude 8,981' Feet West of 80 Deg. 00 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"	120'	120'	210 Cu. Ft.
Agent: <u>Eric Gillespie</u>	13 3/8"	450'	450'	494 Cu. Ft.
Inspector: <u>Sam Ward</u>	9 5/8"	3170'	3170'	1397 Cu. Ft.
Date Permit Issued: <u>9-30-2011</u>	5 1/2"	13134	13134'	2627 Cu. Ft.
Date Well Work Commenced: <u>1-1-2012</u>				
Date Well Work Completed: <u>3-26-2012</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7,434'</u>				
Total Measured Depth (ft): <u>13,135'</u>				
Fresh Water Depth (ft.): <u>350'</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>217'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,670' - 13,004'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 927* MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 72 Hours *Calculated

Static rock Pressure 4,802* 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

9-4-2012
Date

11/09/2012

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 _____
Resistivity and Nuclear in vertical section, 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):

Formations Encountered:	Top Depth	/	Bottom Depth
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Surface:

(See Attached)

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LATERAL WELLBORE

Maximum TVD of wellbore: 7434 ft TVD @ 13135 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/SHALE	0	0	860	860
SS/SLTSTN	860	860	964	964
SS/SHALE	964	964	1042	1042
LS/SHALE	1042	1042	1200	1200
SS/SLTSTN	1200	1200	1780	1780
SLTSTN/SHALE	1780	1780	2144	2144
SS/SLTSTN	2144	2144	2262	2262
SLTSTN/SHALE	2262	2262	4348	4348
SS/SLTSTN	4348	4348	4650	4650
SLTSTN	4650	4650	5258	5258
SLTSTN/SHALE	5258	5258	6884	6883
SHALE	6884	6883	7026	7013
GENESEO	7026	7013	7057	7040
TULLY	7057	7040	7136	7106
HAMILTON	7136	7106	7491	7313
MARCELLUS	7491	7313	13135	7434
TD	13135	7434		0

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