

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

DATE: 2-1-2012
API #: 47-009-00089

Farm name: Mark Owen Operator Well No.: 8H

LOCATION: Elevation: 1173' Quadrangle: Bethany, WV

District: Buffalo County: Brooke
Latitude: 1060 Feet South of 40 Deg. 15 Min. 00 Sec.
Longitude 10760' 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"	93'	93'	Driven
Agent: Eric Gillespie	13 3/8"	390'	390'	478 cf
Inspector: Bill Hendershot	9 5/8"	1790'	1790'	819 cf
Date Permit Issued: 1/31/2011	5 1/2"	11380'	11380'	2293 cf
Date Well Work Commenced: 3/12/2011				
Date Well Work Completed: 11/5/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,104'				
Total Measured Depth (ft): 11,393'				
Fresh Water Depth (ft.): 175'				
Salt Water Depth (ft.): 1271'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 280'				
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) 6,184'-11,256'

Gas: Initial open flow 2,730 MCF/d Oil: Initial open flow 290 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 3,968 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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WV Department of
Environmental Protection

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.

Madeline Williams
Signature

3-14-2012
Date

04/13/2012

Were core samples taken? Yes _____ No N

Were cuttings caught during drilling? Yes Y No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0-6096' MD; LWD GR from 5202-11339' 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): Cement @ 11,250'

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

(See Attached)

Formation/Lithology	Top Depth (ft)	Bottom Depth (ft)
LS/SHALE	0	280
Pittsburg Coal	280	290
LS/SHALE	290	460
SHALE	460	500
LS/SHALE	500	680
SHALE	680	900
SS/SHALE	900	1350
Big Lime	1350	1455
Big Injun	1455	1796
SHALE	1796	5846
Geneseo	5846	5869
Tully	5869	5939
Hamilton	5939	6129
Marcellus	6129	11339

