

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

Farm name: Barry Greathouse B 3H Operator Well No.: 832805

LOCATION: Elevation: 1150' Quadrangle: Tiltonsville WV

District: Buffalo County: Brooke
Latitude: 4540' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 7490' Feet West of 80 Deg. 37 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'	Driven
Agent: Eric Gillespie	13 3/8"	347'	347'	349 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1743'	1743'	760 Cu. Ft.
Date Permit Issued: 1/11/2011	5 1/2"	11126'	11126'	2982 Cu. Ft.
Date Well Work Commenced: 2/24/2011				
Date Well Work Completed: 9/4/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft.): 5,847' (cement plug 5,086')				
Total Measured Depth (ft.): 11,126'				
Fresh Water Depth (ft.): 525'				
Salt Water Depth (ft.): 1136'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 279'				
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) 6,083'-10,988'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,385 MCF/d Final open flow 307 Bbl/d
Time of open flow between initial and final tests 56 Hours
Static rock Pressure 3,722 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

JUL 31 2012

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

7-30-2012
Date

08/17/2012

Were core samples taken? Yes Y No _____

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 0-5860' MD; LWD GR from 4620-11126' 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 @5,086'; Lateral Well bore Cement @ 11,038'

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

(See Attached)

JUL 31 2012

08/17/2012

VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
LS	0	279
PITTSBURG COAL	279	289
LS	289	350
SS	350	900
SS/SHALE	900	1268
BIG LIME (LS)	1268	1394
BIG INJUN (SS)	1394	1590
SHALE/SS	1590	4850
SHALE	4850	5621
GENESE0 (SH)	5621	5637
TULLY (LS)	5637	5691
HAMILTON (SH)	5691	5772
MARCELLUS (SH)	5772	5829
ONONDAGA (LS)	5829	
TD OF PILOT HOLE		5847

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS	0	0	279	279
PITTSBURG COAL	279	279	289	289
LS	289	289	350	350
SS	350	350	900	900
SS/SHALE	900	900	1268	1268
BIG LIME (LS)	1268	1268	1394	1394
BIG INJUN (SS)	1394	1394	1590	1590
SHALE/SS	1590	1590	4850	4850
SHALE	4850	4850	5731	5618
GENESE0 (SH)	5731	5618	5755	5634
TULLY (LS)	5755	5634	5836	5688
HAMILTON (SH)	5836	5688	6031	5765
MARCELLUS (SH)	6031	5765		
TD OF LATERAL			11126	5727

JUL 31 2012

08/17/2012