

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

DATE: 3-19-2013
API #: 47-009-00149

Farm name: Gerald Gourley BRK 3H Operator Well No.: 835867

LOCATION: Elevation: 1,160' Quadrangle: Steubenville East, WV.

District: Cross Creek County: Brooke
Latitude: 5,110' Feet South of 40 Deg. 20 Min. 00 Sec.
Longitude 5,460' 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"	138'	138'	247 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	575'	575'	640 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1,570'	1,570'	696 Cu. Ft.
Date Permit Issued: 8-30-2012	5 1/2"	11,100'	11,100'	1,061 Cu. Ft.
Date Well Work Commenced: 11-22-2012				
Date Well Work Completed: 12-6-2012(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): 5,674'				
Total Measured Depth (ft): 11,110'				
Fresh Water Depth (ft.): 520'				
Salt Water Depth (ft.): 676'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 704'				
Void(s) encountered (N/Y) Depth(s) Y 704'				

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

Producing formation Marcellus Pay zone depth (ft) ^(n/a-not frac'd)
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A* MCF/d Final open flow _____ Bbl/d *TIL 7-8-2013
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ 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.

Marlene Williams
Signature

3-19-2013
Date

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 _____
LWD GR from 5020-11110' 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:

Scheduled fracturing 5-9-2013

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
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See attachment

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WV C. ...
MORGAN ...

LATERAL WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 5674 ft TVD @ 5998 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	704	704
PITTSBURG COAL (VOID)	704	704	708	708
SS	708	708	758	758
COAL	758	758	766	766
SS	766	766	1110	1110
BIG LIME	1110	1110	1220	1220
BIG INJUN (SS)	1220	1220	1343	1343
SHALE	1343	1343	5545	5499
GENESEO (SH)	5545	5499	5565	5514
TULLY (LS)	5565	5514	5637	5564
HAMILTON (SH)	5637	5564	5785	5636
MARCELLUS (SH)	5785	5636		
TD OF LATERAL			11110	5614

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