

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

Farm name: Larry Ball OHI 5H Operator Well No.: 832770

LOCATION: Elevation: 1340' Quadrangle: Bethany

District: Liberty County: Ohio
Latitude: 10090' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 15150' 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	13 3/8"	607'	607'	673 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2036'	2036'	898 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	15173'	15173'	3991 Cu. Ft.
Date Permit Issued: 1-26-2011				
Date Well Work Commenced: 12/30/2011				
Date Well Work Completed: 8-20-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6266'				
Total Measured Depth (ft): 15176'				
Fresh Water Depth (ft.): 100'				
Salt Water Depth (ft.): 1545'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 547'				
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) 6,900-15,031

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

Final open flow 2075* MCF/d Final open flow 277 Bbl/d

Time of open flow between initial and final tests 50 Hours *Calculated

Static rock Pressure 4035* 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

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

11-19-2012
Date

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list LWD GR from 5734' - 15119' 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):

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
<u>Surface:</u>			

(See attached)

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

Maximum TVD of wellbore: 6266 ft TVD @ 8277 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	547	547
PITTSBURG COAL	547	547	557	557
SS/LS	557	557	580	580
SS	580	580	610	610
SH	610	610	670	670
SS	670	670	730	730
LS/SS	730	730	910	910
LS	910	910	972	972
LS/SS	972	972	1160	1160
SS	1160	1160	1390	1390
SS/SH	1390	1390	1670	1670
BIG INJUN (SS)	1670	1670	1887	1887
SHALE	1887	1887	6279	6065
GENESEO (SH)	6279	6065	6302	6083
TULLY (LS)	6302	6083	6369	6134
HAMILTON (SH)	6369	6134	6811	6229
MARCELLUS (SH)	6811	6229		
TD OF LATERAL			15176	6179