

WR-35
Rev (9-11)

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

DATE: 8-12-2013
API #: 47-069-00158

Farm name: Larry Ball OHI 1H Operator Well No.: 837104

LOCATION: Elevation: 1,324' Quadrangle: Bethany

District: Liberty County: Ohio
Latitude: 10.140' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 15.150' 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" | 120' | 120' | 336 Cu. Ft. |
| Agent: Eric Gillespie | 13 3/8" | 612' | 612' | 690 Cu. Ft. |
| Inspector: Gayne Knitowski/Bill Hendershot | 9 5/8" | 2,021' | 2,021' | 870 Cu. Ft. |
| Date Permit Issued: 2-20-2013 | 5 1/2" | 15,354' | 15,354' | 3,643 Cu. Ft. |
| Date Well Work Commenced: 3-27-2013 | | | | |
| Date Well Work Completed: 6-29-2013 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 6,256' | | | | |
| Total Measured Depth (ft): 15,356' | | | | |
| Fresh Water Depth (ft.): 360' | | | | |
| Salt Water Depth (ft.): 680' | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 555' | | | | |
| 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) ^(6,985-15,161) *
*Completing

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

Final open flow Not Tested 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

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.

Marley Williams
Signature

8-12-2013
Date

unnamed(0)6-6

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 5362'-115302' 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 attachment

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> | | | |

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PERFORATION RECORD ATTACHMENT

Well Number and Name: 837104 Larry Ball OHI 1H

| PERFORATION RECORD | | | STIMULATION RECORD | | | | | | | |
|--------------------|---------------------|--------|--------------------|------------------|--------|---------|--------|----------------|---------|-------------------|
| Date | Interval Perforated | | Date | Interval Treated | | Fluid | | Propping Agent | | Average Injection |
| | From | To | | Type | Amount | Type | Amount | | | |
| 5/21/2013 | 14,790 | 15,161 | 5/21/2013 | 14,790 | 15,161 | Sik wtr | 13,154 | Sand | 568,200 | 80 |
| 5/21/2013 | 14,374 | 14,737 | 5/22/2013 | 14,374 | 14,737 | Sik wtr | 10,798 | Sand | 568,880 | 76 |
| 5/22/2013 | 13,939 | 14,302 | 5/22/2013 | 13,939 | 14,302 | Sik wtr | 10,278 | Sand | 573,720 | 78 |
| 5/22/2013 | 13,504 | 13,868 | 5/22/2013 | 13,504 | 13,868 | Sik wtr | 10,210 | Sand | 570,260 | 80 |
| 5/22/2013 | 13,070 | 13,433 | 5/22/2013 | 13,070 | 13,433 | Sik wtr | 10,118 | Sand | 572,400 | 80 |
| 5/22/2013 | 12,635 | 12,998 | 5/23/2013 | 12,635 | 12,998 | Sik wtr | 12,670 | Sand | 571,220 | 73 |
| 5/23/2013 | 12,201 | 12,564 | 5/24/2013 | 12,201 | 12,564 | Sik wtr | 9,600 | Sand | 571,340 | 78 |
| 5/24/2013 | 11,766 | 12,129 | 5/28/2013 | 11,766 | 12,129 | Sik wtr | 9,876 | Sand | 574,400 | 80 |
| 5/28/2013 | 11,331 | 11,694 | 5/28/2013 | 11,331 | 11,694 | Sik wtr | 9,357 | Sand | 570,720 | 80 |
| 5/28/2013 | 10,897 | 11,260 | 5/28/2013 | 10,897 | 11,260 | Sik wtr | 9,457 | Sand | 574,620 | 80 |
| 5/28/2013 | 10,462 | 10,825 | 5/28/2013 | 10,462 | 10,825 | Sik wtr | 9,434 | Sand | 575,780 | 80 |
| 5/28/2013 | 10,027 | 10,390 | 5/29/2013 | 10,027 | 10,390 | Sik wtr | 9,527 | Sand | 572,260 | 79 |
| 5/29/2013 | 9,593 | 9,956 | 5/29/2013 | 9,593 | 9,956 | Sik wtr | 9,480 | Sand | 571,820 | 80 |
| 5/29/2013 | 9,158 | 9,521 | 5/29/2013 | 9,158 | 9,521 | Sik wtr | 9,183 | Sand | 569,920 | 80 |
| 5/29/2013 | 8,724 | 9,087 | 5/30/2013 | 8,724 | 9,087 | Sik wtr | 9,352 | Sand | 571,440 | 79 |
| 5/30/2013 | 8,289 | 8,652 | 5/30/2013 | 8,289 | 8,652 | Sik wtr | 9,513 | Sand | 569,920 | 80 |
| 5/30/2013 | 7,854 | 8,217 | 5/30/2013 | 7,854 | 8,217 | Sik wtr | 9,583 | Sand | 570,640 | 80 |
| 5/30/2013 | 7,420 | 7,783 | 5/30/2013 | 7,420 | 7,783 | Sik wtr | 8,983 | Sand | 570,220 | 79 |
| 5/30/2013 | 6,985 | 7,348 | 5/30/2013 | 6,985 | 7,348 | Sik wtr | 9,166 | Sand | 569,160 | 80 |

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

Maximum TVD of wellbore: 6256 ft TVD @ 7148 ft MD

| Formation/Lithology | Top Depth, MD (ft) | Top Depth, TVD (ft) | Bottom Depth, MD (ft) | Bottom Depth, TVD (ft) |
|---------------------|-----------------------|------------------------|--------------------------|---------------------------|
| SILT/LS/SH | 0 | 0 | 555 | 555 |
| ~PITTSBURG COAL | 555 | 555 | 561 | 561 |
| SS/LS | 561 | 561 | 694 | 694 |
| SS | 694 | 694 | 820 | 820 |
| SH | 820 | 820 | 992 | 992 |
| SH/SS/LS | 992 | 992 | 1058 | 1058 |
| SS/SILT/SH | 1058 | 1058 | 1460 | 1460 |
| SH/SILT | 1460 | 1460 | 1544 | 1544 |
| SILT | 1544 | 1544 | 1570 | 1570 |
| \LS | 1570 | 1570 | 1670 | 1670 |
| SS/SH | 1670 | 1670 | 1689 | 1689 |
| ~BIG INJUN (SS) | 1689 | 1689 | 1881 | 1881 |
| SILT/SHALE | 1881 | 1881 | 6440 | 6048 |
| ~GENESEO (SH) | 6440 | 6048 | 6476 | 6064 |
| ~TULLY (LS) | 6476 | 6064 | 6582 | 6112 |
| ~HAMILTON (SH) | 6582 | 6112 | 6857 | 6212 |
| ~MARCELLUS (SH) | 6857 | 6212 | | |
| TD OF LATERAL | | | 15356 | 6173 |

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