

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

DATE: 1-31-2012
API #: 47-069-00064

Farm name: Glenn Didriksen Operator Well No.: 8H

LOCATION: Elevation: 1380' Quadrangle: Valley Grove WV

District: Liberty County: Ohio
Latitude: 3260' Feet South of 40 Deg. 07 Min. 30 Sec.
Longitude 3970' Feet West of 80 Deg. 35 Min. 00 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 | 26" | 40' | 40' | Driven |
| Agent: Eric Gillespie | 20" | 100' | 100' | Driven |
| Inspector: Bill Hendershot | 13 3/8" | 622' | 622' | 720 cf |
| Date Permit Issued: 11/18/2010 | 9 5/8" | 2093' | 2093' | 883 cf |
| Date Well Work Commenced: 12/18/2010 | 5 1/2" | 12729' | 12729' | 2919 cf |
| Date Well Work Completed: 6/14/2011 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/> | | | | |
| Total Vertical Depth (ft): 6,526' | | | | |
| Total Measured Depth (ft): 12,738' | | | | |
| Fresh Water Depth (ft.): 30' | | | | |
| Salt Water Depth (ft.): 1100' | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 360', 681 | | | | |
| 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) 8,811'-12,573'

Gas: Initial open flow 2,533 MCF/d Oil: Initial open flow 288 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 4,242 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.

Marlene Williams
Signature

3-14-2012
Date

04/13/2012

| LITHOLOGY | TOP DEPTH (FT) | BOTTOM DEPTH (FT) |
|-----------------|----------------|-------------------|
| SHALE and SLTST | 0 | 120 |
| LMST and SHALE | 120 | 150 |
| SLTST and LMST | 150 | 180 |
| LMST and SHALE | 180 | 240 |
| SS and SHALE | 240 | 270 |
| SLTST | 270 | 300 |
| SS | 300 | 360 |
| COAL and SS | 360 | 390 |
| COAL and SLTS | 390 | 420 |
| SS | 420 | 480 |
| SHALE and SS | 480 | 510 |
| LMST | 510 | 540 |
| LMST and SHALE | 540 | 570 |
| LMST | 570 | 600 |
| LMST and SHALE | 600 | 630 |
| SHALE and SS | 630 | 660 |
| SS and SHALE | 660 | 681 |
| Pittsburgh Coal | 681 | 690 |
| SS and LMST | 690 | 720 |
| LMST and SHALE | 720 | 750 |
| SS and SHALE | 750 | 780 |
| SS | 780 | 840 |
| SS and SHALE | 840 | 900 |
| SHALE | 900 | 930 |
| No returns | 930 | 960 |
| SS and SHALE | 960 | 990 |
| SS and SHALE | 990 | 1671 |
| Big Lime | 1671 | 1856 |
| Big Injun | 1856 | 2105 |
| SS | 2105 | 2130 |
| SS and SLTST | 2130 | 2160 |
| SS | 2160 | 2190 |
| SLTST and SHALE | 2190 | 2250 |
| SS and SLTST | 2250 | 2280 |
| SHALE | 2280 | 2310 |
| SHALE and SLTST | 2310 | 2340 |
| SHALE | 2340 | 4050 |
| SS | 4050 | 4110 |
| SHALE | 4110 | 4170 |
| SHALE and SS | 4170 | 4200 |
| SHALE | 4200 | 5220 |
| SHALE and SS | 5220 | 5250 |
| SHALE | 5250 | 5340 |
| SHALE and SS | 5340 | 5370 |

| | | |
|----------------|------|-------|
| SHALE | 5370 | 5400 |
| SHALE and SS | 5400 | 5430 |
| SS and SHALE | 5430 | 5460 |
| SHALE and SS | 5460 | 5610 |
| SHALE | 5610 | 6200 |
| SHALE and LMST | 6200 | 6364 |
| Geneseo | 6364 | 6390 |
| Tully | 6390 | 6457 |
| Hamilton | 6457 | 6557 |
| Marcellus | 6557 | 12738 |

PERFORATION RECORD ATTACHMENT

Well Name and Number: Glenn Didriksen 8H (832739)

| PERFORATION RECORD | | | STIMULATION RECORD | | | | | | | |
|--------------------|---------------------|--------|--------------------|------------------|--------|---------|--------|----------------|---------|-------------------|
| Date | Interval Perforated | | Date | Interval Treated | | Fluid | | Propping Agent | | Average Injection |
| | From | To | | | | Type | Amount | Type | Amount | |
| 5/22/2011 | 12,251 | 12,573 | 5/22/2011 | 12,251 | 12,573 | Slk Wtr | 12,573 | Sand | 492,261 | 70 |
| 5/25/2011 | 12,013 | 12,193 | 5/25/2011 | 12,013 | 12,193 | Slk Wtr | 12,193 | Sand | 485,682 | 83 |
| 5/26/2011 | 11,605 | 11,921 | 5/26/2011 | 11,605 | 11,921 | Slk Wtr | 11,921 | Sand | 485,421 | 85 |
| 5/27/2011 | 11,211 | 11,533 | 5/27/2011 | 11,211 | 11,533 | Slk Wtr | 11,533 | Sand | 481,224 | 90 |
| 5/27/2011 | 10,811 | 11,133 | 5/27/2011 | 10,811 | 11,133 | Slk Wtr | 11,133 | Sand | 482,123 | 92 |
| 6/1/2011 | 10,411 | 10,733 | 6/1/2011 | 10,411 | 10,733 | Slk Wtr | 10,733 | Sand | 484,858 | 88 |
| 6/1/2011 | 10,011 | 10,333 | 6/1/2011 | 10,011 | 10,333 | Slk Wtr | 10,333 | Sand | 481,000 | 90 |
| 6/2/2011 | 9,615 | 9,933 | 6/2/2011 | 9,615 | 9,933 | Slk Wtr | 9,933 | Sand | 482,496 | 91 |
| 6/2/2011 | 9,211 | 9,533 | 6/2/2011 | 9,211 | 9,533 | Slk Wtr | 9,533 | Sand | 483,374 | 92 |
| 6/3/2011 | 8,811 | 9,133 | 6/3/2011 | 8,811 | 9,133 | Slk Wtr | 9,133 | Sand | 482,428 | 92 |
| 6/3/2011 | 8,411 | 8,733 | 6/3/2011 | 8,411 | 8,733 | Slk Wtr | 8,733 | Sand | 485,880 | 85 |
| 6/10/2011 | 8,011 | 8,333 | 6/10/2011 | 8,011 | 8,333 | Slk Wtr | 8,333 | Sand | 483,089 | 87 |
| 6/10/2011 | 7,606 | 7,933 | 6/10/2011 | 7,606 | 7,933 | Slk Wtr | 7,933 | Sand | 481,564 | 85 |
| 6/11/2011 | 7,211 | 7,533 | 6/11/2011 | 7,211 | 7,533 | Slk Wtr | 7,533 | Sand | 484,366 | 88 |
| 6/11/2011 | 6,811 | 7,133 | 6/11/2011 | 6,811 | 7,133 | Slk Wtr | 7,133 | Sand | 500,459 | 88 |
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