| WR | 35 | |
|-----|------|----|
| Rev | (9-1 | 1) |

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

| DATE: | 11-28-2012 | |
|--------|--------------|--|
| API #: | 47-085-09891 | |

| ти о роги с | n s report or | well work | | | | |
|---|---------------------------|--|--------------|--------------------------|--|--|
| Farm name: Heartwood Forestland Fund 3H | Operator Well No.: 832255 | | | | | |
| LOCATION: Elevation: 907' | _ Quadrangle: Harrisville | | | | | |
| District: Murphy | | | | | | |
| Latitude: 5405 Feet South of 39 Deg. | County: Ritch | | | | | |
| Longitude 13610' Feet West of 81 Deg. | | 1. 00 Sec | | - | | |
| | IVIII | ı. <u>00 </u> | : . | | | |
| Company: Chesapeake Appalachia, L.L.C. | | | | | | |
| Address: P.O. Box 18496 | Casing & Tubing | Used in drilling | Left in well | Cement fill | | |
| Oklahoma City, OK 73154-0496 | 20" | 100' | 100' | up Cu. Ft. | | |
| Agent: Eric Gillespie | 13 3/8" | 339' | 339' | Driven 359 Cu. Ft. | | |
| Inspector: David Cowan | 9 5/8" | 2311' | 2311' | 1038 Cu. Ft. | | |
| Date Permit Issued: 7-30-2010 | 5 1/2" | 6114' | 6114' | 4210 Cu. Ft. | | |
| Date Well Work Commenced: 9-12-2011 | | | | 1210 04.11. | | |
| Date Well Work Completed: 10-6-2011 | | | | | | |
| Verbal Plugging: | | | | | | |
| Date Permission granted on: | | | | | | |
| Rotary Cable Rig | | | | | | |
| Total Vertical Depth (ft): 6119' | | | | | | |
| Total Measured Depth (ft): 6119 Vertical | vell per | m willi | A ma 5 | | | |
| Fresh Water Depth (ft.): 200' | OUT PEN | 111 00 1111 | C/LS | | | |
| Salt Water Depth (ft.): None | | | | | | |
| Is coal being mined in area (N/Y)? N | | | | | | |
| Coal Depths (ft.): None | | | | | | |
| 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) 5.945-5,947 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d | | | | | | |
| Final open flow Not rested MCF/d Final open flow | Bhl/ | | | | | |
| I ime of open flow between initial and final tests Hours | | | | | | |
| Static rock Pressurepsig (surface pressure) afterHours | | | | | | |
| Pay zone depth (ft) | | | | | | |
| | | | | | | |
| Final open flow MCF/d Final open flow | Bbl/c | i | 8/15 cm | | | |
| Time of open flow between initial and final tests | Hours | والمنافقة المنافقة ا | | There is a second of the | | |
| Static rock Pressurepsig (surface pressure) after | Hours | y | | | | |

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.

Mandey Villiams
Signature



01/11/2013

| Were core samples taken? Yes NoNo | No |
|---|--|
| Were Electrical, Mechanical or Geophysical logs | S recorded on this walls IC. I I |
| DETAILED GEOLOGICAL RECORD OF | THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, SICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING ORE FROM SURFACE TO TOTAL DEPTH. |
| Perforated Intervals, Fracturing, or Stimulating: | |
| (See attached) | |
| | |
| | |
| | |
| | |
| Plug Back Details Including Plug Type and Depth | h(s): |
| | · each |
| Formations Encountered: Surface: | Top Depth / Bottom Depth |
| (See attached) | |
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PERFORATION RECORD ATTACHMENT

Well Number and Name: 832255 Heartwood Forestland Fund 3H

| PERFO | RATION REC | ORD | STIMULATION RECORD | | | | | | | |
|-----------|------------|--------------------|--------------------|--|---------|-------|-------------|--|--------------|--------------|
| | | nterval Perforated | | | | Fluid | | Propping Agent | | Average |
| Date | From | To | Date | Interval | Treated | Туре | Amount | Туре | Amount | Injection |
| 2/22/2012 | 5,945 | 5,947 | | | | | | 1.750 | 7 01100111 | ngecaun |
| | | | | | | | | | | |
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VERTICAL PILOT HOLE

| Formation/Lithology SS | Top Depth, MD (ft) | Top Depth, TVD (ft) | Bottom Depth, MD (ft) | Bottom Depth, TVD (ft) | |
|------------------------|-----------------------|------------------------|--------------------------|---------------------------|--|
| | 0 | | 692 | 692 | |
| SHALE | 692 | 692 | 720 | 720 | |
| SS/SHALE | 720 | 720 | 790 | 790 | |
| LS | 790 | 790 | 810 | 810 | |
| SS | 810 | 810 | 1050 | 1050 | |
| SHALE | 1050 | 1050 | 1110 | 1110 | |
| SS | 1110 | 1110 | 1170 | | |
| SHALE | 1170 | 1170 | 1318 | 1170 | |
| SS | 1318 | 1318 | 1350 | 1318 1350 | |
| SHALE | 1350 | 1350 | 1380 | | |
| SS | 1380 | 1380 | 1500 | 1380 | |
| SHALE/SS | 1500 | 1500 | 1738 | 1500 1738 | |
| BIG LIME | 1738 | 1738 | 1915 | 1738 | |
| BIG INJUN | 1915 | 1915 | 1913 | 1915 | |
| SHALE/SS | 1961 | 1961 | 2012 | 1961 | |
| SS | 2012 | 2012 | 2610 | 2012 | |
| SHALE/SS | 2610 | 2610 | 2634 | 2610 | |
| SS/SHALE | 2634 | 2634 | 3840 | 2634 | |
| LS | 3840 | 3840 | 3870 | 3840 | |
| SS | 3870 | 3870 | | 3870 | |
| RHINESTREET | 4920 | 4920 | 4920 | 4920 | |
| MIDDLESEX | 5797 | 5797 | 5797 | 5797 | |
| GENESEO | 5884 | 5884 | 5884 | 5884 | |
| TULLY | 5894 | 5894 | 5894 | 5894 | |
| MARCELLUS | 5907 | 5907 | 5907 | 5907 | |
| ONONDAGA | 5961 | | 5961 | 5961 | |
| TD | 6119 | 5961 | 6119 | 6119 | |
| | 0113 | 6119 | | | |