WR-35 Rev (9-11)

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

| DATE: | 07/31/2012 | |
|--------|--------------|---|
| API #: | 47-091-01223 | _ |

| Farm name: Anderson, Rodney J. & Deborah A. | Operator Well No.: Rodney J. Anderson 2HM | | | | |
|--|---|--|--------------------|---------------------------|--|
| LOCATION: Elevation: 1377' GL / 1395' KB | _ Quadrangle: _ | Grafton 7.5' | | | |
| District: Court House | County: Taylor | | | | |
| Latitude: 135 Feet South of 39° Deg | . <u>17</u> Mir | 17MinSec. | | | |
| Longitude 7,458 Feet West of 80° Deg | g. 02 Mir | 1. 30 Sec | C. | | |
| Company: PDC Mountaineer | | | | | |
| Address: 120 Genesis Blvd. | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. | |
| Bridgeport, WV 26330 | 20" | 42' | 42' | 419 | |
| Agent: Bob Williamson | 13 3/8" | 471' | 471' | 433 | |
| Inspector: Bryan Harris | 9 5/8" | 2789' | 2789' | 1,138 | |
| Date Permit Issued: 05/11/2011 | 5 1/2" | 13,970' | 13,970' | 3,401 | |
| Date Well Work Commenced: 06/06/2011 | | | | | |
| Date Well Work Completed: 11/22/2011 | | | | | |
| Verbal Plugging: | | | | | |
| Date Permission granted on: | 2 7/8" | | 2615' | | |
| Rotary Cable Rig | | | | | |
| Total Vertical Depth (ft): 7,894' | | | | | |
| Total Measured Depth (ft): 13,970' | | | | | |
| Fresh Water Depth (ft.): 38', 115' | | | | | |
| Salt Water Depth (ft.): 830' | | | | | |
| Is coal being mined in area (N/Y)? N | | | | | |
| Coal Depths (ft.): Air Drilled - Unknown | | | | | |
| Void(s) encountered (N/Y) Depth(s) N | T | | | | |
| OPEN FLOW DATA (If more than two producing format Producing formation Marcellus Shale Pay Gas: Initial open flow N/A MCF/d Oil: Initial open Final open flow 3.634.2 MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure 1650 psig (surface pressure) | zone depth (ft) flow E bw B 720 | 7894' TVD Bbl/d bl/d s urs | lata on separate : | sheet) | |
| Second producing formation N/A Pay z Gas: Initial open flow MCF/d Oil: Initial open | • | | | | |
| Final open flowMCF/d Final open flow | | | | | |
| Time of open flow between initial and final tests | | | | | |
| Static rock Pressurepsig (surface pressure) | afterHo | urs | | | |

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. Poelieve that the information is true, accurate, and complete.

Signature

O2/01/2013

Date

| Were core samples taken? YesNo_XX | Were cutt | ings caught during drillir | g? Yes_XX_No |
|--|---------------------------------------|------------------------------------|---|
| Were Electrical, Mechanical or Geophysical logs | | | |
| TVD & MD Gamma Ray LWD (limited depth), Cased Hole Sonic Sca | unner log with Bond Log & CCL to 7993 | '. No logs run above 6462'. | |
| NOTE: IN THE AREA BELOW PUT T FRACTURING OR STIMULATING, PHYSIC DETAILED GEOLOGICAL RECORD OF COAL ENCOUNTERED BY THE WELLBOY | CAL CHANGE, ETC. 2). THE TOPS AND BOT | THE WELL LOG WH TOMS OF ALL FOR | ICH IS A SYSTEMATIC |
| Perforated Intervals, Fracturing, or Stimulating: | | | |
| Perforated interval 8,936 ft - 13,883 ft (750 | | | |
| of Slickwater carrying 1,151,100 lbs of 10 | 00-mesh sand, 4,496,2 | 200 lbs of 40/70 san | d, and 236,800 lbs of |
| 30/50 sand. | | | |
| | | · · · | |
| | | | |
| Plug Back Details Including Plug Type and Depth | n(s): N/A | | |
| | | | |
| Formations Encountered: Surface: | Top Depth | / | Bottom Depth |
| Big Lime(est) | *1562 | 1641 | |
| Gantz (est) | 1994 | 2016 | |
| 50 Foot (est) | 2045 | 2100 | |
| 30 Foot (est) | 2108 | 2134 | |
| Gordon (est) | 2231 | 2259 | |
| 4th Sand (est) | 2478 | 2567 | |
| 5th Sand (est) | 2583 | 2622 | |
| Benson (est) | 4497 | 4550 | · · · · · · · · · · · · · · · · · · · |
| Sycamore Grit (from logs) | 6793' | 6936' | |
| Geneseo/Burket Shale | 7550' | 7566' | |
| Tully LS | 7566' | 7655' | |
| Hamilton Group | 7655' | 7789' | |
| Marcellus SH | 7802' | Not Drilled | · · · · · · · · · · · · · · · · · · · |
| Est fm. tops based on 47-091-00809 | TD: 7,887' T | VD / 13,970' MD | |
| KOP at 6527' LP at 8981'MD / 7894' TVD | * All measurements are tak | en from KB and are TVD | unless noted as MQుల్ల్ ఆర్ |
| | | | unless noted as MD ed company of the original |