WR-35 Rev (9-11)

## State of West Virginia Department of Environmental Protection Office of Oil and Gas

| DATE: | 6/18/13    |
|-------|------------|
| API#: | 4704901510 |

Well Operator's Report of Well Work

| Marie: Marie Min | .00 Sec                         | · <del>-</del>              | Cement fill<br>up Cu. Ft.<br>Sand In<br>CTS |
|--|---------------------------------|-----------------------------|---|
| Min<br>Min<br>8<br>8<br>8/8"<br>                     | Used in drilling 25' 637' 1759' | Left in well 25" 637' 1759' | up Cu. Ft.<br>Sand In<br>CTS                |
| Min<br>Min<br>8<br>8<br>8/8"<br>                     | Used in drilling 25' 637' 1759' | Left in well 25" 637' 1759' | up Cu. Ft.<br>Sand In<br>CTS                |
| 3.<br>3/8"<br>/8"                                    | Used in drilling 25' 637' 1759' | 25" 637' 1759'              | up Cu. Ft.<br>Sand In<br>CTS                |
| 3/8"<br>/8"  | drilling 25' 637' 1759'         | 25"<br>637'<br>1759'        | up Cu. Ft.<br>Sand In<br>CTS                |
| 3/8"<br>/8"  | drilling 25' 637' 1759'         | 25"<br>637'<br>1759'        | up Cu. Ft.<br>Sand In<br>CTS                |
| /8"  | 637'<br>1759'                   | 637'<br>1759'               | CTS   |
| 11   | 1759'                           | 1759'                       |   |
|  | :                               | <del>:</del>                | CTS   |
| /2"  | 4255'                           | 4255'                       |   |
|  |                                 |                             |   |
|  |                                 |                             |   |
|  | 1                               |                             |   |
|  |                                 |                             |   |
|  | 1                               | 1                           | Ī   |
| REUEIVEL   |                                 |                             |   |
|  | Office (                        | f Oil & Ga                  | 15  |
|  | <u> </u>                        | 0.9.2013                    |   |
|  | JtH                             | 2 2 2011                    |   |
|  | LAN/De                          | nartment                    | of  |
|  | - WV DE                         | Into Prot                   | ection                                      |
| E  | Invironm                        | PHAIRIO                     | 00000                                       |
|  |                                 |                             |   |
|  |                                 | <u> </u>                    | 1.  |
| tl   | inclu<br>h (ft)_2               | WV De<br>Environm           | Bbl/d                                       |

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.

Signature

| Were core                   | samples taken                        | ? Yes                   | sNo                                    | Were cuttin                    | ngs caught during drilling? Yes_  | No         |
|-----------------------------|--------------------------------------|-------------------------|--|--------------------------------|---|------------|
| Were Elect                  | rical, Mechan<br>d, Gamma Ray        | ical or                 | Geophysical logs                       | recorded on this well? If yes, | please list   |            |
| FRACTU<br>DETAILE<br>COALEN | RING OR ST<br>ED GEOLOG<br>NCOUNTERI | TIMUL<br>SICAL<br>ED BY | ATING, PHYS<br>RECORD OF<br>THE WELLBO | ICAL CHANGE, ETC. 2). T        | DETAILS OF PERFORATED<br>HE WELL LOG WHICH IS A<br>DMS OF ALL FORMATION<br>TOTAL DEPTH. | SYSTEMATIC |
| Perforated.                 | intervals, Frac                      | turing,                 | or Stimulating:                        |                                |   |            |
| Stage 1                     | 3514-38                              | 34                      | Balltown                               | 352 bbls, 25,000 #'s           | s 30/50 sand, 36,769 so   | of N2      |
| Stage 2                     | 2940-294                             | 14                      | 5th Sand                               | 326 bbls,15,000 #'s            | s 30/50 sand, 27,491 s  | cf N2      |
| Stage 3                     | 2717-28                              | 10                      | Gordon                                 | 423 bbls, 25,000 #'            | 's 30/50 sand, 45,871 s   | scf N2     |
| Stage 4                     | 2485-250                             | 00                      | 50 Foot                                | 302 bbls, 15,000 #             | 's 30/50 sand, 31,229 s   | scf N2     |
| Stage 5                     | 2434-243                             | 37                      | Gantz                                  | 266 bbls, 15,000 #             | 's 30/50 sand, 25,005   | scf N2     |
| Plug Back I                 | Details Includi                      | ing Plú                 | g Type and Dept                        | h(s):                          |   |            |
| Formations Surface:         | Encountered:                         | <b>i</b>                |  | Top Depth                      | ./ Botton   | m Depth    |
| Dirt                        |                                      | 0 - 3                   | 22                                     | Sand/Shale                     | 2010 -4255' TD  |            |
| Sandsto                     | ne                                   | 22 -                    | 140                                    |                                |   |            |
| Shale                       |                                      | 140-                    | 170                                    |                                |   |            |
| Sand/Sh                     | ale                                  | 170-                    | -440                                   |                                |   |            |
| Sewickle                    | y Coal                               | 440                     | -442                                   |                                |   |            |
| Sand                        |                                      | 442                     | <del>-4</del> 70                       |                                | RECEIVED  |            |
| Shale                       |                                      | 470                     | -530                                   |                                | Office of Oil & Ga  | IS         |
| Sand/Sh                     | ale                                  | 530-                    | -540                                   |                                | JUL 2 2 2013  |            |
| Pitts Coa                   | al                                   | 540-                    | 550                                    |                                | 302 2 2010  |            |
| Sand/Sh                     | ale                                  | 550-                    | -1695                                  |                                | WV Department of  | of         |
| Red Roc                     | k                                    | 1695                    | -1800                                  | E                              | nvironmental Prote  |            |
| Little Lim                  | ie .                                 | 1800                    | )-1840                                 |                                |   |            |
| B. Lime                     |                                      | 1900                    | )-2010                                 | •                              |   |            |
|                             |                                      |                         |  |                                |   |            |
|                             |                                      |                         |  |                                |   |            |