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: | 03/29/12 | |
|-------|--------------|--|
| API#: | 47-103-02683 | |

| Farm name: Henderson, Howard M. | Operator Well No.: North Henderson Unit 1H | | | | | | |
|--|--|------------------|--------------|---------------------------|--|--|--|
| LOCATION: Elevation: 1,356 | Quadrangle: Littleton 7.5' | | | | | | |
| District: Center | County: Wetz | zel | | | | | |
| Latitude: 5,435' Feet South of 39 Deg. | 42 Min | | c. | | | | |
| Longitude 10,241' Feet West of 80 Deg. | 32' Min | . 30.0 See | c. | 54 | | | |
| Company: Grenadier Energy Partners, LLC | | | | No. | | | |
| CT Corportion 707 Virginia Street East 15th Floor Address: Charleston, WV 25301 | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. | | | |
| Agent: Dianna Stamper | 24" | 40' | 40' | Grouted in | | | |
| Inspector: Derek Haught | 16" | 429' | 429' | 432 cu.ft (CTS) | | | |
| Date Permit Issued: 06/27/2011 | 11-3/4" | 1647' | 1647' | 1129 cu.ft (CTS) | | | |
| Date Well Work Commenced: 09/14/2011 | 8-5/8" | 2722' | 2722' | 738 cu.ft (CTS) | | | |
| Date Well Work Completed: 12/19/2011 | 5-1/2" | 13,110' | 13,110' | 2336 cu.ft (CTS) | | | |
| Verbal Plugging: | | | | | | | |
| Date Permission granted on: | | | | | | | |
| Rotary X Cable Rig | | | | | | | |
| Total Vertical Depth (ft): 7531' | | | | | | | |
| Total Measured Depth (ft): 13,140' | | | | | | | |
| Fresh Water Depth (ft.): Est. 285' | | | | | | | |
| Salt Water Depth (ft.): N/A | | | | | | | |
| Is coal being mined in area (N/Y)? N | | | | | | | |
| Coal Depths (ft.): N/A | | | | | | | |
| Void(s) encountered (N/Y) Depth(s) N | | | | | | | |
| OPEN FLOW DATA (If more than two producing formation | المدادسة ممماه مع | L - 44!4! 1 1 | | | | | |
| | one depth (ft) 7 | | | neet) | | | |
| Gas: Initial open flow 11687 MCF/d Oil: Initial open flo | ow Bb | 1/d | (- (| | | | |
| Final open flow MCF/d Final open flow | Bbl | | | | | | |
| Time of open flow between initial and final tests | Hours | | | | | | |
| Static rock Pressure 4450 psig (surface pressure) after | er 168 Hours | 3 | | | | | |
| 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 testsHours | | | | | | | |
| Static rock Pressure psig (surface pressure) after Hours | | | | | | | |
| 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. | | | | | | | |
| How Houles | | | | | | | |
| Signature Date | | | | | | | |

| Were core samples taken? Yes No | 0 | Were cuttings caught duri | ing drilling? Yes^ | No |
|--|---------------------------------------|---|---------------------------------------|--------------|
| Were Electrical, Mechanical or Geophysica | al logs recorded on this w | vell? If yes, please list Yes | s - Gamma Ray | |
| NOTE: IN THE AREA BELOW P FRACTURING OR STIMULATING, I DETAILED GEOLOGICAL RECOR COAL ENCOUNTERED BY THE WE | PHYSICAL CHANGE, D OF THE TOPS AN | ETC. 2). THE WELL L DD BOTTOMS OF AL | OG WHICH IS A SY L FORMATIONS, | STEMAT |
| Perforated Intervals, Fracturing, or Stimula | ting: | | | |
| erforations: Total Perforated Interval (| 7548' - 13044' MD) | | | • |
| luid: 149,128 bbl Slickwater pumped i | n 15 Stages | | | |
| and: 3,275,101 lbs 100 mesh sand, 3, | 570,053 lbs 40/70 san | d | | |
| | | | | |
| _ | | | | |
| Plug Back Details Including Plug Type and | Donth(a): | | · · · · · · · · · · · · · · · · · · · | |
| rug Dack Details including I lug Type and | Deput(s). N/A | | to the Table Section | |
| | | | · · · · · · · · · · · · · · · · · · · | |
| Parameters Parameter 1 | m | , | | |
| Formations Encountered: Surface: | Top Depth | / | Bottom I | <u>Depth</u> |
| | | • | | |
| See Attached Sheet | | | | |
| bee Attached Sheet | | | | |
| | | , e-1, e-1, | , | . |
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| Formation/Lithology | From | То |
| Shale | 47 | 80 |
| Red Rock | 80 | 120 |
| Sand & Shale | 120 | 130 |
| Red Rock | 130 | 206 |
| Sand & Shale | 206 | 268 |
| Red Rock | 268 | 285 |
| Sand & Shale | 285 | 405 |
| Red Rock | 405 | 420 |
| Sand & Shale | 420 | 1080 |
| Shale | 1080 | 1095 |
| Sand | 1095 | 1115 |
| Sand & Shale | 1115 | 1230 |
| Sand | 1230 | 1253 |
| Sand & Shale | 1253 | 1455 |
| Lime | 1455 | 1463 |
| Red Rock | 1463 | 1515 |
| Sand | 1515 | 1554 |
| Shale | 1554 | 1720 |
| 5and | 1720 | 1782 |
| Sand & Shale | 1782 | 1803 |
| Sand | 1803 | 2130 |
| Sand & Shale | 2130 | 2323 |
| Lime | 2323 | 2358 |
| Big Lime | 2358 | 2460 |
| Injun | 2460 | 2611 |
| Sand & Shale | 2611 | 3228 |
| Gordon | 3228 | 3265 |
| Sand & Shale | 3265 | 7265 |
| Genesee Shale | 7265 | 7318 |
| Geneseo Shale | 7318 | 7342 |
| Tully Lime | 7342 | 7346 |
| Hamilton | 7346 | 7466 |
| Marcellus 5hale | 7466 | N/A |
| | | |