

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: 03/30/12  
API #: 47-103-02661

Farm name: Rix, Earl H. - Revocable Living Trust Operator Well No.: Green Dot Unit II.1H

LOCATION: Elevation: 1,493' Quadrangle: Littleton 7.5'

District: Clay County: Wetzel  
Latitude: 9,325' Feet South of 39 Deg. 42 Min. 30.0 Sec.  
Longitude 1,685' Feet West of 80 Deg. 32' Min. 30.0 Sec.

Company: Grenadier Energy Partners, LLC

Address: <small>CT Corporation 707 Virginia Street East 15th Floor Charleston, WV 25301</small>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Agent: <u>Dianna Stamper</u>	24"	40'	40'	Grouted In
Inspector: <u>Derek Haught</u>	16"	417'	417'	452 cu.ft (CTS)
Date Permit Issued: <u>08/08/2011</u>	11-3/4"	1765'	1765'	994 cu.ft (CTS)
Date Well Work Commenced: <u>11/25/2011</u>	8-5/8"	2788'	2788'	661 cu.ft
Date Well Work Completed: <u>01/30/2012</u>	5-1/2"	12,619'	12,619'	2450 cu.ft (CTS)
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7688'</u>				
Total Measured Depth (ft): <u>12,652'</u>				
Fresh Water Depth (ft.): <u>Est. 270'</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Shale Pay zone depth (ft) 7755' - 12505' MD (7688' TVD)

Gas: Initial open flow 9,910 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 4415 psig (surface pressure) after 168 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

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.

*Derek Haught*  
Signature

4/2/12  
Date

09/14/2012

Were core samples taken? Yes \_\_\_\_\_ No

Were cuttings caught during drilling? Yes  No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes - Gamma Ray

**NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Perforations: Total Perforated Interval (7755' - 12505' MD)

Fluid: 141,170 bbl Slickwater pumped in 13 Stages

Sand: 2,849,925 lbs 100 mesh sand, 3,127,123 lbs 40/70 sand

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		

See Attached Sheet

Green Dot Unit II 1H

Formation/Lithology	From	To
Shale	16	49
Red Rock	49	89
Sand & Shale	89	99
Red Rock	99	175
Sand & Shale	175	237
Red Rock	237	254
Sand & Shale	254	374
Red Rock	374	389
Sand & Shale	389	1049
Shale	1049	1424
Lime	1424	1432
Red Rock	1432	1484
Sand	1484	2292
Lime	2292	2327
Big Lime	2327	2429
Injun	2429	2580
Sand & Shale	2580	3197
Gordon	3197	3234
Sand & Shale	3265	6774
Rhinestreet Shale	6774	7229
Sonya	7229	7405
Genesee Shale	7405	7478
Geneseo Shale	7478	7501
Tully Lime	7501	7505
Hamilton	7505	7588
Marcellus Shale	7588	N/A