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: 02/28/2013
API #: 47-103-02580
Revised

Farm name: Sizemore, Donna Operator Well No.: James Sizemore 1H (See note on Page 2)

LOCATION: Elevation: 1,150' Quadrangle: Littleton 7.5'

District: Center County: Wetzel
Latitude: 7,655' Feet South of 39 Deg. 40 Min. 00.0 Sec.
Longitude 8,290' Feet West of 80 Deg. 30 Min. 00.0 Sec.

Company: Grenadier Energy Partners, LLC

Address: CT Corportion, 707 Virginia Street East 16th Floor, 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: Dave Scranage	16"	428'	428'	483 cu. ft (CTS)
Date Permit Issued: 10/01/2010	11-3/4"	1432'	1432'	903 cu. ft (CTS)
Date Well Work Commenced: 12/09/2010	8-5/8"	2499'	2499'	729 cu.ft (CTS)
Date Well Work Completed: 07/04/2011	5-1/2"	10,584'	10,584'	2145 cu. ft (CTS)
Verbal Plugging:				
Date Permission granted on:				
Rotary [X] Cable [ ] Rig [ ]				
Total Vertical Depth (ft): 7,443' (See note on Page 2)				
Total Measured Depth (ft): 10,640'				
Fresh Water Depth (ft.): Est. 165'				
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 formations please include additional data on separate sheet)
Producing formation Marcellus Shale Pay zone depth (ft) 7535' - 10515' MD
Gas: Initial open flow 5997 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 4425 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

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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.

Byron Hanley
Signature

2/28/13
Date

06/21/2013

103.02580

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes
Photo Density-Compensated Neutron-GR, Dual Laterolog-GR, Compensated Sonic-GR

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 (7535' - 10515' MD)

Fluid: 80,216 bbl Slickwater pumped in 8 Stages

Sand: 1,753,480 lbs 100 mesh sand, 1,740,906 lbs 40/70 sand

Plug Back Details Including Plug Type and Depth(s): Cement Kickoff Plug for Horizontal - 7443' to 6250' w/ 265 sx of cement

Formations Encountered: Top Depth / Bottom Depth
Surface:

See Attached Sheet

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Note: The James Sizemore 1H well had a pilot hole drilled prior to kicking off and going horizontal. The TVD shown for this well is the deepest depth recorded by the driller for the pilot hole. This portion of the well was then plugged back from 7443' to 6250' w/ 265 sx of cement (see plugback details). The James Sizemore 1H was then drilled by kicking off this plug and going horizontal. The total measured depth (TMD) shown is for the horizontal wellbore.

06/21/2013

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James Sizemore 1H – API #47-103-02580

Formations / Lithology

Formation/Lithology	Top Depth	Bottom Depth
Silt & Shale	0	1040
Red Rocks	1040	1095
Sand & Shale	1095	1931
Salt Sand	1931	2000
Shale	2000	2057
Big Lime	2057	2150
Big Injun	2150	2356
Silt & Shale	2356	2900
Gordon Stray Ss	2900	2910
Silt & Shale	2910	2938
Gordon Ss	2938	2991
Silt and Shale	2991	3030
Fourth Gordon ss	3030	3042
Silt and Shale	3042	6444
Rhinestreet	6444	6872
Sonya Sh	6872	7002
Genesee Sh	7062	7150
Geneseo Sh	7150	7174
Trully Lm	7174	7178
Hamilton Sh	7178	7303
Marcellus Sh	7303	7351
Onondaga	7351	7382
Huntersville Chert	7382	7443*

* This depth is the TD of the well. The bottom of the formation was not located.