

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

DATE: 12/15/2011  
API #: 47-033-05521

Farm name: Goodwin Operator Well No.: Unit 2-1

LOCATION: Elevation: 1384 Quadrangle: Salem 7.5

District: Sardis County: Harrison  
Latitude: N39.37000 Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.  
Longitude W80.52242 Feet West of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec.

Company: PetroEdge Energy LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
2925 Briarpark Drive, Suite 150 Houston, TX 77042	20"	20'	20'	Sanded In
Agent: Dan Mullins	13 3/8"	540'	530'	Cement to Surface
Inspector: Tristen Jenkins	9 5/8"	2750'	2700'	Cement to Surface
Date Permit Issued: 05/04/2011	5 1/2"	14445.99'	14425'	Cement to Surface
Date Well Work Commenced: 05/23/2011	2 3/8"	N/A	7762.64'	Production Tubing
Date Well Work Completed: 11/01/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7648				
Total Measured Depth (ft): 14411				
Fresh Water Depth (ft.): 45				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 803				
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) 7648  
Gas: Initial open flow 20000 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 20000 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 3880 psig (surface pressure) after 24 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.

Dan Mullins  
Signature

12/19/11  
Date

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 Mud Log, GR, CBL  
Drill cuttings were cut, analyzed, and disposed of with the rest of the drill cuttings.

**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:

Perforated Marcellus Shale: 8123' 14404'

21 Stage Stimulation

882,000 lbs 100 mesh sand - 6,835,500 lbs 40/70 mesh sand

176,403 bbls water

Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u> <u>Surface:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Big Lime	2442.7	2547.7
Big Injun	2547.7	2590
Java	5554	5598
Lower Alexander	5837	5878
Rhinestreet	6999	7004
Middlesex	7296	7381
West River	7565.9	7596
Genesee	7681.6	7728.3
Tully	7728.3	7797.7
Hamilton	7797.7	8065.7
Marcellus	8065.7	Not Recorded

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