

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: Feb. 27th, 2013
API #: 047-095-02032

Farm name: Ball Operator Well No.: 1 H

LOCATION: Elevation: 1195 ft Quadrangle: Porter Falls

District: Ellsworth County: Tyler
Latitude: N39.50596 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: W80.75623 Feet West of _____ Deg. _____ Min. _____ Sec.

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MAR 4 2013

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Company: Petroedge Energy LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
4477 Williamstown Pike Williamstown, WV 26187	20"	30	30	Cement to surface
Agent: Dan Mullins	13 3/8"	530	530	Cement to Surface
Inspector: Joe Taylor	9 5/8"	2765	2765	Cement to surface
Date Permit Issued: 7/28/11	5 1/2"	13465	13414	Cement to surface
Date Well Work Commenced: 10/21/11	2 3/8"		7325.8	Production Tubing
Date Well Work Completed: 2/13/13				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 6910				
Total Measured Depth (ft): 13465				
Fresh Water Depth (ft.): 155				
Salt Water Depth (ft.): 1580				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 175				
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 Pay zone depth (ft) 6910
Gas: Initial open flow 2000 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 4219 MCF/d Final open flow 168 Bbl/d
Time of open flow between initial and final tests 120 Hours
Static rock Pressure 3100 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

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

3/1/13
Date

MAR 4 2011

WV GEOLOGICAL SURVEY
MORGANTHAU

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 Mud Log, GR, CBL
Drill cuttings were collected, 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: 7379' - 13363'
20 Stage Stimulation
843,900 lbs 100 mesh, 5,958,000 lbs 40/70 mesh, 821,200 lbs 20/40 mesh
154,372 bbls water

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

Cast Iron Bridge Plug @ 13400'

Formations Encountered: Surface:	Top Depth	Bottom Depth
Coal	175	177
Gordon	3140	3186
Warren	3619	3652
Java	5270	5310
Lower Alexander	5514	5569
Rhinestreet	6367	6621
Middlesex	6621	6822
West River	6822	6938
Genesee	6938	6955
Tully	6955	7032
Hamilton	7032	7143
Marcellus	7143	