

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: 9/6/13  
API #: 47-033-05642

Farm name: Coastal Forest Resources Operator Well No.: Goodwin 3-1 H

LOCATION: Elevation: 1096 Quadrangle: Salem

District: Sardis County: Harrison  
Latitude: 8766 Feet South of 39 Deg. 22 Min. 30 Sec.  
Longitude 1840 Feet West of 80 Deg. 30 Min. 00 Sec.

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"	127	120	Surface
Agent: <u>Dan Mullins</u>	13 3/8"	382	354	Surface
Inspector: <u>Sam Ward</u>	9 5/8"	2344	2336	Surface
Date Permit Issued: <u>10/22/12</u>	5 1/2"	13948	13946	5850 ft
Date Well Work Commenced: <u>3/1/13</u>	2 3/8"		6938	Production Tubing
Date Well Work Completed: <u>8/5/13</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>7388.08</u>				
Total Measured Depth (ft): <u>13948</u>				
Fresh Water Depth (ft.): <u>45</u>				
Salt Water Depth (ft.): <u>1630</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>535</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7388.08  
Gas: Initial open flow 4,671 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 7,019 MCF/d Final open flow 24 Bbl/d  
Time of open flow between initial and final tests 31 Hours  
Static rock Pressure 4050 psig (surface pressure) after 48 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

9/6/13  
Date

10/04/2013

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 and Gamma Ray  
Drill cuttings were analyzed then disposed of with the rest of the 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:

See Attached Sheet

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
Fresh Water	45	46
Coal	535	537
Salt Water	1630	1634
Benson	5211	6880
Middlesex	6880	7256
Genesee	7256	7312
Tully Limestone	7312	7383
Hamilton	7383	7509
Lower Hamilton	7509	7661
Marcellus	7661	Not recorded

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Office of Environmental Protection

SEP 19 2013

WV Department of Environmental Protection

10/04/2013

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Goodwin 3-1H Completion Summary

Stage #	Top of 2ft Perf Intervals (ft)	Shots per Foot	Water Vol	100 mesh Vol	40/70 mesh Vol	30/50 mesh Vol	Total Sand lbs
1	13841, 13782, 13721, 13662, 13602	6	7,809	0	347,300	31,500	378,800
2	13300, 13360, 13420, 13480, 13540	6	8,375	10,200	247,100	105,700	369,000
3	13002, 13062, 13122, 13180, 13242	6	8,242	10,000	289,800	98,200	398,000
4	12942, 12882, 12822, 12762, 12702	6	7,957	12,600	289,900	95,300	397,800
5	12642, 12582, 12522, 12462, 12400	6	7,960	9,534	151,242	214,326	375,102
6	12342, 12280, 12222, 12162, 12102	6	8,028	9,800	298,300	99,200	407,300
7	12042, 11982, 11922, 11862, 11802	6	7,912	12,600	304,300	94,500	411,400
8	11742, 11682, 11622, 11562, 11502	6	8,154	13,200	297,700	91,400	402,300
9	11442, 11382, 11322, 11264, 11202	6	7,517	9,400	305,000	0	314,400
10	11142, 11082, 11022, 10,962, 10902	6	7,951	9,800	283,500	87,600	380,900
11	10842, 10782, 10722, 10662, 10602	6	7,797	9,400	299,700	91,900	401,000
12	10542, 10482, 10422, 10364, 10302	6	7,930	10,100	299,200	90,200	399,500
13	10242, 10182, 10122, 10062, 10002	6	7,809	9,800	297,500	93,700	391,000
14	9942, 9882, 9822, 9762, 9702	6	7,454	10,500	301,600	10,500	322,600
15	9642, 9582, 9522, 9460, 9402	6	7,328	9,900	297,900	92,100	399,900
16	9342, 9282, 9222, 9162, 9102	6	7,190	11,600	300,700	91,300	403,600
17	9042, 8982, 8922, 8862, 8802	6	7,169	8,400	299,500	91,000	398,000
18	8742, 8682, 8622, 8562, 8502	6	7,250	10,500	300,100	92,500	393,100
19	8442, 8382, 8322, 8262, 8202	6	7,101	11,000	300,300	93,000	394,300
20	8142, 8082, 8022, 7962	6	6,229	6,500	246,300	75,700	328,500
21	7902, 7842, 7782, 7722	6	6,874	4,500	243,800	74,900	323,200
<b>Totals:</b>			<b>160,138</b>	<b>199,334</b>	<b>6,001,342</b>	<b>1,814,526</b>	<b>8,015,202</b>