

WR-35
Rev (8-10)

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WV Department of
Environmental Protection

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

DATE: 3/1/11
API #: 47-033-05446

Farm name: Goodwin Operator Well No.: Unit 2-3

LOCATION: Elevation: 1384 Quadrangle: Salem 7.5

District: Sardis County: Harrison
Latitude: N39.37002 Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude W80.52253 Feet West of _____ Deg. _____ Min. _____ Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
2925 Briarpark Drive, Suite 150, Houston, TX 77042				
Agent: Dan Mullins	20"	20'	20'	Sanded In
Inspector: Tristen Jenkins	13 3/8"	540'	522'	Cement to Surface
Date Permit Issued: 7/9/10	9 5/8"	3332'	3301'	Cement to Surface
Date Well Work Commenced: 8/25/10	5 1/2"	14643'	13337'	Cement to 1510'
Date Well Work Completed: 1/31/11	2 3/8"	N/A	7660'	Prod Tubing
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig X				
Total Vertical Depth (ft): 7648				
Total Measured Depth (ft): 14643				
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 5000 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 5000 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 3000 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

3/2/11
Date

01/27/2012

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical, or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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: 8543.5' - 13270'

13 Stage Stimulation

807,100 lbs 100 mesh Sand; 3,938,900 lbs 40/70 mesh sand

130,863.81 bbls of water

Formations Encountered:	Top Depth	/	Bottom Depth
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Surface:			
Big Lime	2422	/	2420

Java	5463	/	5818
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Lower Alexander	5818	/	7108.5
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Middlesex	7108.5	/	7461.8
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Genesee	7461.8	/	7488.4
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Tully	7488.4	/	7543
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Hamilton	7543	/	7642.8
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Marcellus	7642.8	/	7692.8
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Coal	803	/	805
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