

CR

WR-35  
Rev (8-10)

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

DATE: 6/17/2011  
API #: 47-103-02585

RECEIVED  
Office of Oil & Gas

Farm name: Robert A. Bragg Operator Well No.: D-166

LOCATION: Elevation: 1467 KB Quadrangle: Hundred

JUN 24 2011

District: Church County: Wetzel  
Latitude: 2620 Feet South of <sup>39</sup> Deg. 42 Min. <sup>30</sup> Sec.  
Longitude 6550 Feet West of <sup>80</sup> Deg. 25 Min. <sup>00</sup> Sec.

WV Department of  
Environmental Protection

Company: Diversified Resources, Inc.

Address: P.O. Box 381087 Birmingham, AL 35238-1087	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	20"	31'	31'	Sanded in
Agent: <u>Rusty Hutson</u>	13 3/8"	630'	630'	470 sks
Inspector: <u>David Scamie</u>	9 5/8"	2793'	2793'	625 sks
Date Permit Issued: <u>9/27/10</u>	5 1/2"	7870'	7870'	300 sks
Date Well Work Commenced: <u>1/2/2011</u>				
Date Well Work Completed: <u>1/28/2011</u>				
Verbal Plugging: <u>n/a</u>				
Date Permission granted on: <u>n/a</u>				
Rotary X Cable Rig				
Total Vertical Depth (ft): <u>7870'</u>				
Total Measured Depth (ft): <u>7870'</u>				
Fresh Water Depth (ft.): <u>NA</u>				
Salt Water Depth (ft.): <u>1280'</u>				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.): <u>NA</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Pay zone depth (ft) 7798'-7848'

Gas: Initial open flow na MCF/d Oil: Initial open flow na Bbl/d

Final open flow 350 MCF/d Final open flow na Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation n/a Pay zone depth (ft) \_\_\_\_\_

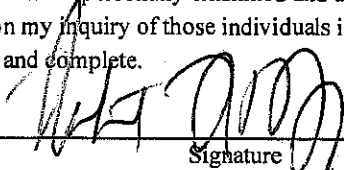
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

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.

  
Signature

6/24/11  
Date

03/16/2012

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

7810' -7840' with 60 holes .39 diameter

2245 sks 80/100

4935 sks 40/70

15530 bbls

3384 ISIP

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth  
Surface: \_\_\_\_\_

See attached

<b>Formation</b>	<b>Top</b>	<b>Bottom</b>
silt / shale	0	750
sand/ silt	750	882
silt / shale	882	1050
sand	1050	1210
silt/ shale	1210	1710
sand	1710	1848
silt /sand	1848	2018
shale	2018	2120
sand	2120	2174
shale/red rock	2174	2306
Big Lime	2306	2470
Big Injun	2470	2644
shale	2644	3116
sand/shale	3116	3450
shale	3450	3932
silt/shale	3932	4064
shale	4064	7249
Sonyea	7249	7462
Middlesex	7462	7506
Genesee grp	7506	7601
Geneseo sh	7601	7637
Tully	7637	7675
Hamilton	7676	7798
Marcellus	7798	7848
Onondaga	7848	