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: 5-11-11 API#: 47-001-03227

arm name: Mark & Melinda O'Donnell	Operator We	ell No.: B857		
OCATION: Elevation: 1724	Quadrangle:	Audra 7.5'		
District: Union	County: Bart	oour		
	gMiı	nSe		
Longitude W80.06943 Feet West ofDe Company: Berry Energy	egMin	nSe		
· ·	Casing &	Used in	Left in well	Cement fill
Address:	<u>Tubing</u> 9-5/8"	drilling 36	36	up Cu. Ft.
Agent: Daniel Berry	7°	632	632	To Surface
Inspector: Bryan Harris	4-1/2"	3479	3479	130 sx
Date Permit Issued: 2-8-11				
Date Well Work Commenced: 4-12-11				
Date Well Work Completed: 4-26-11				
Verbal Plugging:				
Date Permission granted on:			BI	
Rotary X Cable Rig			Office	<del>CEIVED</del> <del>&gt;f O#</del> ⊈ G
Total Vertical Depth (ft): 3926				G Z III '
Total Measured Depth (ft): 3926			MAR	2 2 2013
Fresh Water Depth (ft.): 62'			IAA	
Salt Water Depth (ft.): None		E	Environ Dep	artment o
Is coal being mined in area (N/Y)? N				tal Proto
Coal Depths (ft.): 150-155, 202-207		•	nvironmer	
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet) Producing formation Riley, Speechley Pay zone depth (ft) 3424,2285

TAAMATTA TATITUTATAT			
Gas: Initial open flow Odor	MCF/d (	Dil: Initial open flow 0	Bbl/d
Final open flow 300	MCF/d	Final open flow 0	BbI/d
Time of open flow betwee	en initial a	nd final tests 4	Hours
Static rock Pressure 725	psig (su	rface pressure) after 72	Hours
Second producing formation	Fourth San	dPay zone dept	h (ft) 1991
		• • · · · · · · • •	

 Gas: Initial open flow Odor
 MCF/d Oil: Initial open flow 0
 Bbl/d

 Final open flow 300
 MCF/d
 Final open flow 0
 Bbl/d

 Time of open flow between initial and final tests 4
 Hours

 Static rock Pressure 725
 psig (surface pressure) after 72
 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.

tourd Signature

Date

06/07/2013

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001-03227

Were core samples taken? Yes\_\_\_\_No\_\_\_\_ Were cuttings caught during drilling? Yes\_\_\_\_No\_\_\_\_\_

Were  $\frac{Y}{Y/N}$  Electrical,  $\frac{N}{Y/N}$  Mechanical,  $\frac{N}{Y/N}$  or Geophysical logs recorded on this well?

## 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:

Perforations: Riley 14 Holes (.39) 3424' - 3435', Speechley 15 Holes (.39) 2285' - 2302'

Fourth Sand 15 Holes (.39) 1991'- 1997'

Stimulations: Riley: 500 gal 15% HCL, 40,800# 20/40 Sand, 173 Bbls Water, 438,201 Scf Nitrogen,

Break Down 3,718#, Average Treating Pressure 3,069#

Speechley: 500 gal 15% HCL, 40,600# 20/40 Sand, 153 Bbls Water, 334,385 Scf Nitrogen,

Break Down 3,450#, Average Treating Pressure 2,607#

Fourth Sand: 500 gal 15% HCL, 39,600# 20/40 Sand, 145 Bbls Water, 361,181 Scf Nitrogen,

Break Down 5,080#, Average Treating Pressure 3,030#

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

Clay	1'	_/	12'	Sandy	Shale	3020'	1	3920'
Shale	12'	1	34'					
Sand	34'	1	60'					
Shale	60'	1	88'					
Sand	88'	1	150'					
Coal	150'	1	155'					
Sand/Shale	155'	1	202'	v				
Coal	202'	1	207'					•
Sand/Shale	207'	1	570'					
Shale	570'	1	700'					
Sand/Shale	700'	Ī	1100'					
Sand	1100'	1	1345'					
Shale/RedRock	: 1345'	1	1900'				•••	
Sand	1900'	1	2175'					
Shale	2175'	1	3020'					

## 06/07/2013