

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: API#:	1/22/13	REV.	11/12/14
	47-67-00	943	

Farm name: MeadWestvaco Corp.	Operator Well No.: MWV Rupert 4H					
LOCATION: Elevation: 3,065	Quadrangle: Richwood					
District: Kentucky	County: Nich	County: Nicholas				
Latitude: 650 Feet South of 38 Deg	12 Min. 30 Sec.					
Longitude 9600 Feet West of 80 Deg	gMin	1Se	c.	!		
Company: BRC Operating Company, LLC				i		
Address: 200 Croscont Court, Suite 200	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.		
Dallas, TX 75201	20"	130'	130	180 Tall		
Agent: Marc A. Monteleone	13 3/8"	1,555*	1,555'	652 Lead/213 Tall		
Inspector: Ed Gainer	9 5/8"	6,949'	6,949'	1,852 Lear# 190 Tail		
Date Permit Issued: 7/21/10	5 1/2"	12,702'	12,702'	1,684 Lend/1,487 Tail		
Date Well Work Commenced: 2/28/11						
Date Well Work Completed: 5/25/12			 			
Verbal Plugging:						
Date Permission granted on:		<u> </u>	<u> </u>			
Rotary Cable Rig V						
Total Vertical Depth (ft): 7,743				+		
Total Measured Depth (ft): 12,702				 		
Fresh Water Depth (ft.): 182			<u> </u>	-		
Salt Water Depth (ft.):			 			
Is coal being mined in area (N/Y)?						
Coal Depths (fl.):						
Void(s) encountered (N/Y) Depth(s) N		···				
Gas: Initial open flow 2,718 MCF/d Oil: Initial open flo	one doubl (#17.0	150 - 7.810	ta on separate sh	neet)		
Final open flow 1.300 MCF/d Final open flow	Bbl					
Time of open flow between initial and final tests 72 Static rock Pressure 3.100 psig (surface pressure) aftr	Hours					
Static rock Pressure 3.100 psig (surface pressure) after	er 35 Hours	1	Of	fice of Oil an	d Ga	
Second producing formation Pay zone depth (ft)						
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d			NOV 1 2 2014			
Final open flow MCI/d Final open flow Time of open flow between initial and final tests	Bbl/	d	\A.	1		
Time of open flow between initial and final tests Hours Static rock Pressure psig (surface pressure) after Ilours			WV Department of Environmental Protecti			
tify under penalty of law that I have personally examined ar he attachments and that, based on my inquiry of those indivi- the information is true, accurate, and complete	id am familiar v duals immediate	ith the informa				
the information is true, accurate, and complete.			ior obtaining the	miormation I believ	e	
			_			

Were core samples take	n? YesNoX	_ Were cutting	gs caught during drilling	? Yes_X No_
Were Electrical, Mechan	nical or Geophysical logs i	recorded on this well? If yes, p	please list	
DETAILED GEOLO	GICAL RECORD OF	HE FOLLOWING: 1). DI CAL CHANGE, ETC. 2). TH THE TOPS AND BOTTO RE FROM SURFACE TO TO	HE WELL LOG WHIC MS OF ALL FORM	THE A CLICTOR A OF HE
Perforated Intervals, Fra	cturing, or Stimulating:			
Perforations: 12,6	600' - 8,320' 525	Holes		
editional in the contract of t				=
Plue Back Details Includ	ing Plug Type and Depth(a).		
The Details Breite	ang 1 tog 1 ype and Deput	5).		
Formations Encountered Surface:		Top Depth	1	Bottom Depth
Geologic Age	<u>Formation</u>	Lithology	Top Depth	Bottom Depth
Mississippian	Greenbrier	Limestone	2490	2543
Mississippian		Shale	2543	2858
Mississippian	In jun	Sandstone	2858	2875
Mississippian		Shale	2875	2884
Mississippian	Squaw	Sandstone	2884	2890
Mississippian		Shale	2890	2967
Mississippian	Weir	Sandstone	2967	2975
Mississippian		Shale	2975	3433
Mississippian	Berea	Sandstone	3433	3455
Mississippian		. Shale	3455	3523
Devonian	Gordon	Sandstone	3523	3548
Devonian		Siltstone & Shale	3548	4493
Devonian	Huron	Shale	4493	
Devonian	Rhinestreet	Organic Shale	7382	7382
Devonian	Marcellus	Organic Shale	7620	7620 TD
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