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:	8/22/2011
API#:	47-051-101253

Farm name: MCDOWELL, RANI	DY & LISA	Operator Well No.: 627049 (1H)				
LOCATION: Elevation: 1,35	56'	Quac	irangle: WILEYV	ILLE		
District: MEADE - N	MARSHALL	Cour	nty: MARSHALL			
Latitude: 1,243	Feet South of 39	Deg. 45	Min. 00	Sec.		_
Longitude 4,608	Feet West of 80	Deg. 40	Min. 00	Sec.		

Company: Chesapeake Appalachia, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu, Ft.
P.O. Box 18496, Oklahoma City, OK 73154				
Agent: Eric Gillespie	13 3/8"	1,227'	1,227'	1,392 cf
Inspector: DAVID SCRANAGE	9 5/8"	2,714'	2,714'	1,156 cf
Date Permit Issued: 1/27/2010	5 1/2"	12,575'	12,575'	1,822 cf
Date Well Work Commenced: 1/31/2010				
Date Well Work Completed: 7/27/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,180'			6	CENSI
Total Measured Depth (ft): 12,620'			Office	of Oil
Fresh Water Depth (ft.): 360'				
Salt Water Depth (ft.): NONE			MA	R 0 6 2012
Is coal being mined in area (N/Y)? NO			IAMERY	
Coal Depths (ft.): 275', 1065', 1140'			English Lit	- Janment
Void(s) encountered (N/Y) Depth(s)			Amas 2 11 (71 11 11 11	mai Proje

Producing formation Marcellu	depth (ft) 7,880-12,397		
Gas: Initial open flow 5,261	_MCF/d Oil: Initial open flow_	Bbl/d	•
Final open flow	_MCF/d Final open flow	Bbl/d	
Time of open flow between	en initial and final tests	Hours	
Static rock Pressure 4,667	nsig (surface pressure) after	Hours	
	poig (buriace pressure) arter _	IIUuIS	
•			
•	Pay zone de		
Second producing formation		epth (ft)	
Second producing formation Gas: Initial open flow	Pay zone de	epth (ft)Bbl/d	
Second producing formation Gas: Initial open flow Final open flow	Pay zone de	epth (ft) Bbl/d Bbl/d	

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.

marlan	Williams	3-2-2012
, , (Signature	Date

Were core samples taken? Yes N	No X Were cuttings caught dur	ing drilling? Yes X No
Were $\frac{Y}{Y/N}$ Electrical, $\frac{N}{Y/N}$ Mechanical	al, $\frac{N}{Y/N}$ or Geophysical logs recorded on this well?	
FRACTURING OR STIMULATING, DETAILED GEOLOGICAL RECORI	PUT THE FOLLOWING: 1). DETAILS OF PHYSICAL CHANGE, ETC. 2). THE WELL LED OF THE TOPS AND BOTTOMS OF ALL FOR FROM SURFACE TO TOTAL DEPTH.	OG WHICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimul	ating:	
(see attached)		
Formations Encountered: Surface:	Top Depth /	Bottom Depth
<u> Darimon</u>		
(see attached)		
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		Office of Oil & Gas
		MAR 0 6 2012
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		We have a

LITHOLOGY	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	1
SHALE and SS	0	275	-
COAL	275	277	1
SHALE and SS	277	1065	†
COAL	1065	1067	-
SHALE and SS	1067	1140	1
Pittsburgh Coal	1140	1149	1
SHALE and SS	1149	1220	1
SHALE	1220	1450	1
SS	1450	1490	· ·
SS and SHALE	1490	1530	1
SHALE and SS	1530	1650	
SS and SHALE	1650	1700	
SS	1700	1820	
SS and SHALE	1820	1851	
Salt Sands	1851	1888	
SS	1888	2010	
SHALE and SS	2010	2037	1
Maxton	2037	2057	1
SS and SHALE	2057	2050]
SHALE and SS	2050	2100	
SS and SHALE	2100	2130]
SS	2130	2160]
SS and SHALE	2160	2190]
SHALE and SS	2190	2220	Figh area _
SS and SHALE	2220	2230	
LMST	2230	2235	Office of Oil & Gas
Big Lime	2235	2289	
Big Injun	2289	2538	MAR 0 6 2012
LMST and SS	2538	2320	
SS	2320	2470	W Department of
SHALE and SS	2470	2530 Env	ronmental Protection
SS and SHALE	2530		
SHALE and SS	2550	2560	
SHALE	2560	2870	·
SHALE and SS	2870	3000	
SHALE	3000	3100	·
SHALE and SS	3100	3270	
SHALE	3270	3590	
SHALE and SS	3590	3810	
SS and SHALE	3810	3870	
SS	3870	3930	
SHALE and SS	3930	4050	
SHALE	4050	4690	·
SHALE and SS	4690	4770	

SHALE	4770	5310
SHALE and SS	5310	5400
SS and SHALE	5400	5550
SHALE and SS	5550	5650
SHALE	5650	5690
SHALE and SS	5690	5790
SHALE	5790	7216
Tully	7216	7238
SHALE and	7238	7259
LMST		
Hamilton	7259	7467
Marcellus	7467	12620

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PERFORATION RECORD ATTACHMENT

Well Name (Number): Randy McDowell 1H (627049)

PERF	ORATION RE	CORD	1			STIMULAT	TION RECO	RD .		
	Interval P	erforated					luid	Proppi	ng Agent	Average
Date	From	То	Date	Interval	Treated	Туре	Amount	Type	Amount	Injection
4/7/2010	12,075	12,397	4/7/2010	12,075	12,397	Slk Wtr	11,109.0	Sand	438,395	81.0
5/28/2010	11,675	11,997	5/28/2010	11,675	11,997	Slk Wtr	12,090.0	Sand	493,477	85.0
6/2/2010	11,260	11,597	6/2/2010	11,260	11,597	Slk Wtr	19,142.0	Sand	372,630	71.0
6/7/2010	10,955	11,197	6/7/2010	10,955	11,197	Slk Wtr	14,866.0	Sand	402,425	83.0
6/13/2010	10,404	10,877	6/13/2010	10,404	10,877	Slk Wtr	20,636.0	Sand	518,941	49.5
6/19/2010	10,084	10,333	6/19/2010	10,084	10,333	Slk Wtr	26,761.0	Sand	173,145	61.3
6/26/2010	9,762	10,004	6/26/2010	9,762	10,004	Slk Wtr	16,738.0	Sand	418,625	74.0
6/28/2010	9,442	9,682	6/28/2010	9,442	9,682	Slk Wtr	10,613.0	Sand	412,010	80.0
6/30/2010	9,120	9,382	6/30/2010	9,120	9,382	Slk Wtr	8,823.0	Sand	170,500	60.0
7/1/2010	8,800	9,042	7/1/2010	8,800	9,042	Slk Wtr	9,084.0	Sand	384,000	75.0
7/1/2010	8,480	8,722	7/1/2010	8,480	8,722	Slk Wtr	10,462.0	Sand	395,000	75.0
7/2/2010	8,180	8,402	7/2/2010	8,180	8,402	Slk Wtr	9,177.0	Sand	399,000	75.0
7/2/2010	7,880	8,102	7/2/2010	7,880	8,102	Slk Wtr	8,704.0	Sand	407,121	85.0
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