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Rev	(9-1)	1)

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

DATE: 3-2-2012 / O47-103-02449 */

	Well Operator	's Report of W	ell Work			
Farm r	ame: Martin R. Whiteman Jr	Operator Well	No.: 5H (627374	1)		
LOCA	TION: Elevation: 1391'	Quadrangle: _	Vileyville			
	District: Center	Cometa Wetze	al .			
	Latitude: 800' Feet South of 39 Deg.	County: Wetze				
	Longitude 3350' Feet West of 80 Deg.					
	Company: Chesapeake Appalachia, L.L.C.		•			
	Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
	Oklahoma City, OK 73154-0496	20"	40'	40'		
	Agent: Eric Gillespie	13 3/8"	1388'	1388'	1446 cf	
	Inspector: David Scranage	9 5/8"	2770'	2770'	1239 cf	
	Date Permit Issued: 2/18/2009	5 1/2"	- 10410'	10410'	1636 cf	
	Date Well Work Commenced: 4/29/2009	2 3/8"	7958'	7958'		
	Date Well Work Completed: 10/20/2009					
	Verbal Plugging:			***************************************	†	
	Date Permission granted on:	-				
	Rotary Cable Rig					
	Total Vertical Depth (ff): 7,395(10,355 plugged back depth)			DECENT	D	
	Total Measured Depth (ft): 10,410			ice of Cit 8		
	Fresh Water Depth (ft.): 400'					
	Salt Water Depth (ft.): None			APR 3 0 20	2	
	Is coal being mined in area (N/Y)? N				and of	
	Coal Depths (ft.): 1233', 1810', 2200'		4,4	V Dopatn Alkinema	restaction	
	Void(s) encountered (N/Y) Depth(s) N		En viii	Jüliüs leyi i	1070000.	
					<u></u>	
OP	EN FLOW DATA (If more than two producing formatio			ta on separate sh	ieet)	
	Producing formation Marcellus Pay z Gas: Initial open flow 3,054 MCF/d Oil: Initial open fl	one depth (ft)				
	Final open flow MCF/d Final open flow	ow <u>0</u> Bb				
	Time of open flow between initial and final tests	Hours				
. 1	Static rock Pressure 4,807 psig (surface pressure) after		s			
9	Second producing formation Pay zor	ne depth (ft)				
	Gas: Initial open flow MCF/d Oil: Initial open flo	ie αepin (π) ow Bb	1/4			
	Final open flow MCF/d Final open flow	Bbl				
	Time of open flow between initial and final tests	Hours				
:	Static rock Pressure psig (surface pressure) aft	er Hour	s			

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

Marlene Williams Signature

that the information is true, accurate, and complete.

Vere core samples taken? Yes	No_X	Were	cuttings caught durin	g drilling? Yes X No
Vere Electrical, Mechanical or Geo	physical logs recorded	on this well? If	f yes, please list_n/a	
NOTE: IN THE AREA BELG FRACTURING OR STIMULAT DETAILED GEOLOGICAL RI COAL ENCOUNTERED BY TH	ING, PHYSICAL CH ECORD OF THE TO	IANGE, ETC. OPS AND BO	2). THE WELL LO	G WHICH IS A SYSTEMATIC FORMATIONS INCLUDING
erforated Intervals, Fracturing, or	Stimulating:			
See Attached)				
	W. W			
				A THE TAX BOTTOM CONTRACTOR OF THE CONTRACTOR OF
lug Back Details Including Plug T	ype and Depth(s): Cer	ment 10,35	5'	
Formations Encountered: Surface:	То	p Depth		Bottom Depth
See Attached)				
			0	fice of Oil & Gas
		***************************************		APR 3 0 2012
			V	N Department of
				onmental Protection
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SHALE/SLTSTN 0 700 SHALE 700 1233 Pittsburgh Coal 1233 1242 SHALE 1242 1826 Salt Sands 1826 1940 SS/SH/SILT 1940 2000 SHALE 2000 2138 SS 2138 2140 Maxton 2140 2176 SS/SH/SILT 2176 2190 SS/SH/SILT 2176 2190 SHALE 2190 2300 LMST 2300 2362 Big Lime 2362 2415 Big Injum 2415 2658 SHALE 2658 3254 Gordon 3254 3264 SS 3300 3846 SS 3346 3300 SHALE 3300 3846 SS 3846 3866 SHALE 3866 4776 Benson 4776 4800 SS 4824 4832 SHALE 4832 4838	LITHOLOGY	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	٦
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Hamilton 7524 7658	Tully	7502	7524	HAVE EST COPE FELLE FOR EAST COMMENTED
	Hamilton	7524	1	1 .
	Marcellus	7658		1

PERFORATION RECORD ATTACHMENT

Well Name and Number: Martin R. Whiteman Jr 5H (627374)

PERFOR	RATION RE				S	TIMULATIO	ON RECOR)		
Interval Perforated					Fluid		Proppii	ng Agent	Average	
Date	From	То	Date	Interval	Treated	Туре	Amount	Type	Amount	Injection
10/02/09	9,975	10,277	10/02/09	9,975	10,277	Slk Wtr	12,543	Sand	593,359	99.8
10/03/09	9,600	9,902	10/03/09	9,600	9,902	Slk Wtr	12,152	Sand	603,144	99.0
10/05/09	9,225	9,527	10/05/09	9,225	9,527	Slk Wtr	11,966	Sand	604,317	100.0
10/06/09	8,850	9,152	10/06/09	8,850	9,152	Slk Wtr	12,587	Sand	600,914	100.0
0/07/09	8,475	8,777	10/07/09	8,475	8,777	Slk Wtr	12,004	Sand	602,540	100.3
10/08/09	8,100	8,402	10/08/09	8,100	8,402	Sik Wtr	11,474	Sand	602,803	99.6
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WV Department of Environmental Protection