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:	2/7/2014
API #:	47-017-06165

Farm name: Erwin, John F.	Operator Well	No.: Schulte Un	it 1H	
LOCATION: Elevation: 1,218'	Quadrangle: 1	New Milton 7.5'		
District: New Milton	County: Dodde	ridae		
Latitude: 8,295' Feet South of 39 Deg.				
Longitude 3,629' Feet West of 80 Deg.				
Company: Antero Resources Corporation				
Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 51#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	541'	541'	752 Cu. Ft. Class A
Inspector: Douglas Newlon	9 5/8" 36#	2,500'	2,500'	1,018 Cu. Ft. Class A
Date Permit Issued: 1/21/2013	5 1/2" 20#	15,386'	15,386'	3,824 Cu. Ft. Class H
Date Well Work Commenced: 4/1/2013				
Date Well Work Completed: 12/29/2013	2 3/8" 4.7#	7420'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary Cable Rig				
Total Vertical Depth (ft): 7246' TVD (Deepest Point Drilled)				
Total Measured Depth (ft): 15,386' MD, 7115' TVD (BHL)				
Fresh Water Depth (ft.): 290'				
Salt Water Depth (ft.): 762', 857', 1130'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 680', 1850'		,		
Void(s) encountered (N/Y) Depth(s) None				
OPEN ELOW DATA (If more than two medicine formation		111011		
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay 2	ons piease includ zone depth (ft) 7		ta on separate s	neet)
Gas: Initial open flowMCF/d Oil: Initial open fl	• ' /	ol/d		
Final open flow 11,137 MCF/d Final open flow		I/d)
Time of open flow between initial and final tests — Static rock Pressure 3950 psig (surface pressure) af	Hours ter Hour		KE	CEIVED
	ne depth (ft)	3	FEB	1 1 2014
Gas: Initial open flow MCF/d Oil: Initial open fl	- ' /	ıl/d	WV GEOL	OG!CAL SURVEY
Final open flow MCF/d Final open flow		/d	MORG	ANTOWN, WV
Time of open flow between initial and final tests	Hours ter Hour	e.		
I certify under penalty of law that I have personally examined			nation submitted	on this document and
all the attachments and that, based on my inquiry of those indiv	viduals immedia	tely responsible	e for obtaining t	he information I believe
that the information is true, accurate, and complete.	- 1/			
Auth Bignature	UEK)	_	$\frac{10}{2014}$	
New Milton South (5		-6		

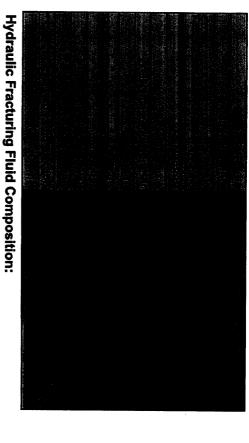
Were core samples taken? Yes	No X Were	cuttings caught during drilling? YesNo_X
Were Electrical, Mechanical or Geophy	ysical logs recorded on this well?	f ves. please list Yes, CBL
This is a subsequent well. Antero only runs wireline logs on the	first well on a multi-well pad (Hinterer Unit 2H AP#47-017	-06104). Please reference the wireline logs submitted with Form WR-35 for Hinterer Unit 2H.
FRACTURING OR STIMULATIN	G, PHYSICAL CHANGE, ETC. ORD OF THE TOPS AND BO	1). DETAILS OF PERFORATED INTERVALS, 2). THE WELL LOG WHICH IS A SYSTEMATIC OTTOMS OF ALL FORMATIONS, INCLUDING TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stir	nulating:	
Perforations: 7,478- 15,330' (21	00 Holes)	
Frac'd w/ 22,500 gals 15% HCL	Acid, 245,548 bbls Slick Wa	ater carrying 1,179,220# 100 mesh,
4,138560# 40/70 sand and 2,56	1,370# 20/40 sand.	
Plug Back Details Including Plug Type	and Depth(s): N/A	
Formations Encountered:	Top Depth	/ Bottom Depth
Surface:	-	
Big Lime	est. 2242'	2370'
Big Injun	est. 2371'	2602'
Gantz Sand	est. 2603'	2755'
Fifty Foot Sandstone	est. 2756'	2947'
Gordon	est. 2948'	3303'
Fifth Sandstone	est. 3304'	3351'
Bayard	est. 3352'	3941'
Speechley	est. 3942'	4138'
Balltown	est. 4139'	4779'
Bradford	est. 4780'	5232'
Benson	est. 5233'	5499'
Alexander	est. 5500'	5707'
Elk	est. 5708'	6247'
Rhinestreet	est. 6248'	6952'
Middlesex Shale	6953'	7081'
Burkett Shale	7082'	7121'
Tully	7122'	7200'
Hamilton	7201'	7200' 7207'
Marcelius	7208'	7246' TV/D

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Hydraulic Fracturing Fluid Product Component Information Disclosure











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			-				
	0.00329	5,00000	Proprietary	Ethoxylated alcohol blend			
	0.02117	22,00000	64742-47-8	Petroleum Distillates			
	0.02630		Proprietary	Anionic Polyacrylamide			
	0.02630	40.00000	7732-18-5	Water			
					Friction Reducer	LLC Services,	WFRA-405
	0.00254	3,00000	68439-51-0	Surfactant			
	0.00647	3.00000	14808-60-7	Suspending agent (solid)			
	0.04005	60.00000	64742-47-8	Petroleum Distillates			
	0.04229	50.00000	9000-30-0	Guar Gum			
					Gelling Agents	U.S. Well Services, LLC	-GC-18
	0.02017	18.00000	7641-01-1	Hydrogen Chloride			
	0.08442	87.50000	7732-18-5	Water			
	,				Bulk Acid	J.S. Well Services, LLC	HCL Acid (12.6%- 18.0%)
	8.41298	100.00000	14808-60-7	Crystalline Silica, quartz			
					Proppant	U.S. Well Services, LLC	Sand
	91.27788	100.00000	7732-18-5	Water			
			-		Base Fluid	Antero Resources	Water
	((%) (b)////////(b)//////(b)///////////////		(B.S.L))				
7100)	This (25) Fire of the contract		Tedinica (Nanjara)			्रहाति अ	
	www.moralises.pv		* Chemical				

201	0.00001	3.00000	78-40-0	Indethyl Phosphate 78-40-0 3,00000 3,00000 Indethyl Phosphate 78-40-0 3,00000 Index are subject to 29 CFR 1910 1200c) and appear on Material Safety Data Sheets (MSDS), ingredients shown below are Non-MSDS	R 1910 1200 ₍₁₎ and apr	ove are subject to 29 CF	ingredients shown abo
201	0.00001	3.00000	87-63-0	sopropyi Alcohol			
202	0.00002	5.00000	68412-54-4	Ethoxylated Nonylphenol			
002	0.00002	20.00000	7732-18-5	Water			
205	0.00005	7.00000	111-76-2	2-Butoxyethanol			
006	0.00006	5.00000	104-55-2	Cinnamaldehyde			
006	0.00006	13.00000	72480-70-7	Tar bases, quinoline derivs, benzyl chloride-quatemized			
007	0.00007	15.00000	68-12-2	N,N-Dimethylformamide			
023	0.00023	31.0000d	107-21-1	Ethylene Glycol			
					Acid Corrosion Inhibitors	U.S. Well Services, LLC	AL-300
123	0.00123	100.00000	7727-54-0	Ammonium Persulfate			
					Gel Breakers	U.S. Well Services, LLC	AP One
278	0.00278	28.00000	7732-18-5	Deionized Water			
486	0.00486	20.00000	10222-01-2	2,2-dibromo-3- nitrilopropionamide			
					Anti-Bacterial Agent	U.S. Well Services, LLC	K-BAC 1020
039	0.00039	2.50000	111-87-5	1-Octanol			
041	0.00041	2.50000	112-30-1	1-Decanol			
074	0.00074	5.00000	67-63-0	Isopropyl Alcohol			
078	0.00078	5.00000	8028-48-6	D-Limonene			
082	0.00082	5.00000	5131-66-8	Propylene Glycol n-butyl ether			
240	0.00240	13.00000	64366-70-7	Oxirane, methyl-, polymer with oxirane, mono(2-ethylhexyl) ether			
580	0.00580	30,00000	57-55-6	Propylene Glycol			
					Surfactants & Foamers	U.S. Well Services	Hi Flow 3-NE
343	0.00343	30.00000	7732-18-5	Water			
¥12	0.00412	20.00000	107-21-1	Ethylene Glycol			
456	0.00456		Proprietary	Anionic Copolymer			
			-		Scale Inhibitor	U.S. Well Services, LLC	SI-1000
329	0.00329	5.00000	12125-02-9	Crystalline Salt			

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Total Water Volume sources may include fresh water, produced water, and/or recycled water
 Information is based on the maximum potential for concentration and thus the total may be over 100%