

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:	1/2/2014		
API#:	47-017-06153		

ATION: Elevation: 1227'	Quadrangle: New Milton 7.5'					
District: New Milton	County: Doddridge					
Latitude: 262' Feet South of 39 Deg.	12 Min.	30 Sec	c.			
Longitude 10,959' Feet West of 80 Deg.	Min.	30 Sec	c.			
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" 94#	40'	40'	38 Cu. Ft. Class A		
Agent: CT Corporation System	13 3/8" 48#	497'	497'	690 Cu. Ft. Class A		
Inspector: Douglas Newlon	9 5/8" 36#	2,509'	2,509'	1021 Cu. Ft. Class A		
Date Permit Issued: 12/19/2012	5 1/2" 20#	14,631'	14,631'	3613 Cu. Ft. Class H		
Date Well Work Commenced: 3/25/2013						
Date Well Work Completed: 7/2/2013	2 3/8" 4.7#	7,268'				
Verbal Plugging: N/A						
Date Permission granted on: N/A						
Rotary Cable Rig						
Total Vertical Depth (ft): 7158' TVD (deepest Point Drilled)						
Total Measured Depth (ft): 14,634' MD, 7080' TVD (BHL)						
Fresh Water Depth (ft.): 233'						
Salt Water Depth (ft.): 780', 822'						
Is coal being mined in area (N/Y)? No						
Coal Depths (ft.): None Available						
Void(s) encountered (N/Y) Depth(s) None						
PEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay z Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow 10,536 MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure 3950 psig (surface pressure) after the producing formation of the producing formation open flow services and producing formation open flow pays and producing formation pays and pays and producing formation pays and pays an	one depth (ft) 7 ow Bb Bb Hours	136' (TOP) DI/d I/d	ata on separate s	sheet)		
Second producing formationPay zor	ne depth (ft)					
Gas: Initial open flow MCF/d Oil: Initial open flow		ol/d	200	PER TON THE PER TO		
Final open flowMCF/d Final open flow Time of open flow between initial and final tests	Bb Hours	I/d				
Static rock Pressure psig (surface pressure) aft		's	100	100		
ify under penalty of law that I have personally examined as the attachments and that, based on my inquiry of those individue information is true, accurate, and complete.						

Signature

Date

04/04/2014

Were core samples taken? YesNo_X	Were cutting	s caught during drilling? YesNo_X
Were Electrical, Mechanical or Geophysical lo	oge recorded on this well? If was in	Janua list Yes- CBL
This is a subsequent well. Antero only runs wireline logs on the first well on a run.	nulti-well ped (Tom's Fork Unit 2H API#47-017-06082). Plea	see reference the wireline logs submitted with Form WR-35 for Tom's Fork Unit 2H.
FRACTURING OR STIMULATING, PHY	YSICAL CHANGE, ETC. 2). TH OF THE TOPS AND BOTTOM	ETAILS OF PERFORATED INTERVALS, IE WELL LOG WHICH IS A SYSTEMATIC MS OF ALL FORMATIONS, INCLUDING OTAL DEPTH.
Perforated Intervals, Fracturing, or Stimulating	g :	
Perforations: 7,393'- 14,576' MD (2,88	30 Holes)	
Frac'd w/ 25,500 gals 15% HCL Acid,	239,576 bbls Slick Water ca	arrying 949,500# 100 mesh
3,655,700# 40/70 sand and 2,215,400)# 40/70 sand.	
Plug Back Details Including Plug Type and De	epth(s): NI/A	
Ting Duck Details metatang Ting Type and De	·Pin(s)· IN/A	
Formations Encountered: Surface:	Top Depth	/ Bottom Depth
Big Lime	est 3362'	2343'
Big Injun	est 2344'	2750'
Fifty Foot Sandstone	est 2751'	2948'
Gordon	est 2949'	3306'
Fifth Sandstone	est 3307'	4131'
Balltown	est 4132'	4771'
Bradford	est 4772'	5230'
Benson	est 5231'	5487'
Alexander	est 5488¹	6736'
Sycamore	6737'	6893'
Middlesex	6894'	7027'
Burkett	7028'	7065'
Tully	7066'	7129'
Hamilton	7130'	7135'
Marcellus	7136'	7158' TVD
Widi Cellus	, 130	, 100 . 10

Hydraulic Fracturing Fluid Product Component Information Disclosure

6/10/2013
7/2/2013
West Virginia
Doddridge
47-017-06153-00-00
Antero Resources Corporation
Webley Fork Unit 1H
-80.70907900
39.178333300
NAD27
NO
9,989,196







Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Vater	ANTERO RESOURCES	Water					
	REGOGRAGE		Water	7732-18-5	100.00000	91.90624	
the art element	Nabors Completion and Production Services	Sand - Bulk - West Virginia					
			Crystalline Silica, quartz	14808-60-7	99.90000	4.34430	
			Aluminum Oxide	1344-28-1	1.10000	0.04784	
			Titanium Oxide	13463-67-7	0.10000	0.00435	
			Iron Oxide	1309-37-1	0.10000	0.00435	
	Nabors Completion and Production Services	Sand - Bulk - West Virginia					
			Crystalline Silica, quartz	14808-60-7	99.90000	2.33674	
			Aluminum Oxide	1344-28-1	1.10000	0.02573	
			Iron Oxide	1309-37-1	0.10000	0.00234	
			Titanium Oxide	13463-67-7	0.10000	0.00234	
	Nabors Completion and Production Services	Sand - Bulk - West Virginia					
			Crystalline Silica, quartz	14808-60-7	99.90000	1.01270	
			Aluminum Oxide	1344-28-1	1.10000	0.01115	
			Iron Oxide	1309-37-1	0.10000	0.00101	

			Titanium Oxide	13463-67-7	0.10000	0.00101	
HCI Acid (12.5%- 18.0%)	Nabors Completion and Production Services	Bulk Acid					
			Hydrogen Chloride	7647-01-0	18.00000	0.04356	
and	Nabors Completion and Production Services	Friction Reducer					
			Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8	30.00000	0.02036	
			Ethoxylated alcohols	68002-97-1	15.00000	0.01018	
			Ethoxylated oleylamine	26635-93-8	5.00000	0.00339	
and	Nabors Completion and Production Services	Gelling Agents					
			Petroleum Distillates	64742-47-8	70.00000	0.03006	
Super GREEN SOLV	Nabors Completion and Production Services	Paraffin & Scale Additives					
			BTEX Free Aliphatic Hydrocarbon	64742-96-7	100.00000	0.01082	
SUPER TSC-LTS	Nabors Completion and Production Services	Paraffin & Scale Additives	, i ya caasan				
			Water	7732-18-5	60.00000	0.00915	
KR-153SL	Nabors Completion and Production Services	Biocides					
			Polyethlyene-Glycol	25322-68-3	50.00000	0.00596	
			2,2-dibromo-3- nitrilopropionamide	10222-01-2	20.00000	0.00238	
Acid Inhibitor 2 (Al-2)	Nabors Completion and Production Services	Acid Corrosion Inhibitors					
			Propargyl Alcohol	107-19-7	40.00000	0.00019	
			Glycol Ethers	111-46-6	40.00000	0.00019	
			Isopropyl Alcohol	67-63-0	40.00000	0.00019	
			Ethoxylated Nonylphenol	68412-54-4	13.00000	0.00006	
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10.00000	0.00005	
OB-2	Nabors Completion and Production Services	Gel Breakers					
			Ammonium Persulfate	7727-54-0	100.00000	0.00052	
			Sillica, crystalline quartz	7631-86-9	10.00000	0.00005	
EB-4L	Nabors Completion and Production Services	Gel Breakers					
			Ethylene Glycol	107-21-1	40,00000	0.00022	
Ingredients shown about	ove are subject to 29 C		appear on Material Safety Data Sh	neets (MSDS). Ingred	ients shown below are Non-N	ISDS.	TENTONE (
Other Ingredients	Nabors Completion and Production Services	Other Ingredients					
			Water	7732-18-5	87.50000	0.21175	

* 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%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)