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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: 4/2/2014 API #: 47-017-00250 p 6 2 0 5

CATION: Elevation: 1,157'	Quadrangle: Smithburg 7.5'					
District: Grant	County: Doddridge					
Latitude: 10,001' Feet South of 39 Deg.						
Longitude 2,649' Feet West of 80 Deg.	42 Min.	30 See	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" 51#	40'	40'	38 Cu. Ft. Class A		
Agent: CT Corporation System	13 3/8" 48#	356'	356'	495 Cu. Ft. Class A		
Inspector: Douglas Newlon	9 5/8" 36#	2,532'	2,532'	1,031 Cu. Ft. Class A		
Date Permit Issued: 3/27/2013	5 1/2" 20#	15,955'	15,955'	3,970 Cu. Ft. Class H		
Date Well Work Commenced: 6/3/2013						
Date Well Work Completed: 11/7/2013	2 3/8" 4.7#	7066'				
Verbal Plugging: N/A						
Date Permission granted on: N/A						
Rotary Cable Rig						
Total Vertical Depth (ft): 7010' TVD (Deepest Point Drilled)						
Total Measured Depth (ft): 15,955' MD, 6969' (BHL)						
Fresh Water Depth (ft.): 225'						
Salt Water Depth (ft.): None Available						
Is coal being mined in area (N/Y)? No						
Coal Depths (ft.): 840'						
Void(s) encountered (N/Y) Depth(s) None						
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay z Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure 3550 psig (surface pressure) after the producing formation open flow in the producing formation pay is producing formation.	cone depth (ft) 6 ow Bb / Bb Hours	952' (TOP) ol/d l/d		RECEIVED		
	ne depth (ft)	1/1		APR 0 3 2014		
Gas: Initial open flowMCF/d Oil: Initial open flowMCF/d Final open flowMCF/d Final open flow Time of open flow between initial and final testsStatic rock Pressurepsig (surface pressure) after the property of the	Bb Hours	ol/d I/d rs	Env	VV Department o		

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.

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05/30/2014

Were core samples taken? YesN	o X Were cuttings or	aught during drilling? YesNo_X
Were Electrical, Mechanical or Geophysic	al logs recorded on this well? If yes, plea	se list Yes- CBL
This is a subsequent well. Antero only runs wireline logs on the first v	vall on a multi-well pad (Costlow Unit 1H API#47-017-06194). Please re	eference the wireline logs submitted with Form WR-35 for Costlow Unit 1H.
NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVA FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMAT DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDIC COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH. Perforated Intervals, Fracturing, or Stimulating: Perforated Intervals, Fracturing, or Stimulating: Perforations: 7,078'- 15,909' (2640 Holes) Frac'd w/ 25,500 gals 15% HCL Acid, 254,675 bbls Slick Water carrying 593,616# 100 mesh, 5,826,476# 40/70 sand and 2,959,908# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth / Bottom Depth Surface: Big Lime est. 2142' 2254' Big Injun est. 2255' 2683' Gantz Sand est. 2684' 2828' Fifty Foot Sandstone est. 2829' 2900' Gordon est. 2901' 3270' Fifth Sandstone est. 3271' 3286' Bayard est. 3271' 3286' Bayard est. 3287' 4027' Speechley est. 4028' 4274' Balltown est. 4775' 4746' Bradford est. 4747' 5224' Benson est. 5225' 5484'		
Perforated Intervals, Fracturing, or Stimul	ating:	•
Perforations: 7,078'- 15,909' (2640	Holes)	
Frac'd w/ 25,500 gals 15% HCL A	cid, 254,675 bbls Slick Water carr	ying 593,616# 100 mesh,
5,826,476# 40/70 sand and 2,959,	908# 20/40 sand.	
Plug Peak Dataile Including Plug Time on	d Donth(o): Al/A	
Flug Back Details including Flug Type an	u Deptin(s): N/A	
Formations Encountered:	Ton Denth /	Rottom Denth
Surface:	Top Boptii ,	Bottom Deptin
Big Lime	est. 2142'	2254'
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Alexander	est. 5225	6093'
Rhinestreet	est. 6094'	6548'
Sycamore	6549'	6729'
Middlesex	6730'	6865'
Burkett	6866'	
		6893'
Tully	6894'	6939'
Hamilton	6940'	6951'
Marcellus	6952'	7010' TVD

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/27/2013
Job End Date:	11/7/2013
State:	West Virginia
County:	Doddridge
API Number:	47-017-06205-00-00
Operator Name:	
Well Name and Number:	Gaskins Unit 2H
Longitude:	
Latitude:	39.36775000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,010
Total Base Water Volume (gal):	0
Total Base Non Water Volume:	0







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
Freshwater	Antero Resources	Water					
			Water	7732-18-5	100.00000	90.70898	
40/70 White	US Silica	Propppant					
			Sand	14808-60-7	100.00000	4.91440	
20/40 White	US Silica	Propppant					
			Sand	14808-60-7	100.00000	2.92370	
00 Mesh	US Silica	Propppant					
			Sand	14808-60-7	100.00000	1.26770	
CFS40	PQS	Guar Gel				2	
			Petroleum Distillate	64742-47-8	55.00000	0.04677	
			Guar Gum	9000-30-0	50.00000	0.04252	
			Clay	1302-78-9	5.00000	0.00425	
			Surfactant	154518-36-2	1.00000	0.00085	
Plexslick 953	Chemplex	Friction Reducer					
			Water	7732-18-5	35.00000	0.02152	
			Polyacrylamide-co-acrylic acid	9003-06-9	32.00000	0.01967	
			Hydrotreated Petroleum Distillate	64742-47-8	30.00000	0.01844	
			Alcohol Ethoxylate Surfactants	Proprietary	8.00000	0.00492	

ydrochloric Acid 10- 5%	Reagent	Acid					
70			Hydrchloric Acid	7647-01-0	15.00000	0.03424	
excide 15G	Chemplex	Biocide					
			Water	7732-18-5	90.00000	0.02285	
			Glutaraldehyde	111-30-8	14.00000	0.00355	
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	3.00000	0.00076	
			Ethanol	64-17-5	3.00000	0.00076	
			Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	3.00000	0.00076	
exaid 673	Chemplex	Scale Inhibitor					
			Water	7732-18-5	85.00000	0.01335	
			Methyl Alcohol	67-56-1	25.00000	0.00393	
			Sodium Salt of Phosphonodimethylated Diamine	Proprietary	5.00000	0.00079	
odium Persulfate	Chemplex	Breaker					
			Sodium Persulfate	7775-27-1	100.00000	0.00123	
exhib 256	Chemplex	Corrosion					
			Methyl Alcohol	67-56-1	70.00000	0.00049	
			thiourea-formaldehyde copolymer	68527-49-1	30.00000	0.00021	
			Alcohol Ethoxylate Surfactants	Proprietary	30.00000	0.00021	
			n-olefins	Proprietary	10.00000	0.00007	
			Propargyl Alcohol	107-19-7	8.00000	0.00006	
exbreak 145	Chemplex	Non-emulsifier					
			Water	732-18-5	66.00000	0.00052	
			Ethylene Glycol Monobutyl Ethe	111-76-2	15.00000	0.00012	
			Methyl Alcohol	67-56-1	15.00000	0.00012	
			Cocamide Diethanolamine Salt	68603-42-9	10.00000	0.00008	
			Diethanolamine	111-42-2	5.00000	0.00004	
erriplex 66	Chemplex	Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00022	
			Water	7732-18-5	35.00000	0.00016	
	1		Citric Acid	77-92-9	30.00000	0.00013	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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)

^{**} Information is based on the maximum potential for concentration and thus the total may be over 100%