WR-35 Rev (9-11)

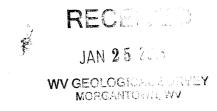
State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

DATE:	1/11/2013	-
API#:	47-033-05584	· ·

CATION: Elevation: 1172	 -	Operator Well No.; Findley Unit 1H Quadrangle; West Milford					
				·			
District: Union Latitude: 10571' Feet South of 39 December 10571'	County: Harris			<u> </u>			
	eg. 12 Min. eg. 27 Min.						
	· · · · · · · · · · · · · · · · · · ·	<u></u> 50	. .				
Company: Antero Resources Appalachian Corp							
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.			
Agent: CT Corporation System	13 3/8" 48#	587'	587'	815 Cu. Ft. Class A			
Inspector: Tristan Jenkins	9 5/8" 36#	2692'	2692'	1096 Cu. Ft. Class A			
Date Permit Issued: 1/11/2012	5 1/2" 20#	15630'	15630'	3841 Cu. Ft. Class H			
Date Well Work Commenced: 3/9/2012							
Date Well Work Completed; 12/2/2012		\"					
Verbal Plugging: N/A							
Date Permission granted on: N/A	2 3/8" 4.7#	7239'					
Rotary Cable Rig							
Total Vertical Depth (ft): 7507' TVD (deepest p	point drilled)		<u> </u>				
Total Measured Depth (ft): 7157' TVD (BHL), 15	634' MD						
Fresh Water Depth (ft.): 301'							
Salt Water Depth (ft.): 1053'							
Is coal being mined in area (N/Y)? N							
Coal Depths (ft.): 80', 144', 200'							
Void(s) encountered (N/Y) Depth(s) None							
PEN FLOW DATA (If more than two producing forms Producing formation Marcellus Pa Gas: Initial open flow MCF/d Oil: Initial open Final open flow MCF/d Final open flow	y zone depth (ft) <u>70</u> n flow_N/ABb	<mark>002' TV</mark> D (To _l 1/d		heet)			
Time of open flow between initial and final tests No. Static rock Pressure 3600 psig (surface pressure)		S		CE WE			
Second producing formation Pay	zone depth (ft)) AAL	1 2 5 2013			
Gas: Initial open flow MCF/d Oil: Initial open	- \ /	1/d	WVGEO	.0G)(
Final open flow MCF/d Final open fl		/d		BANTOWN YVY			
Time of open flow between initial and final tests_	Hours						
Static rock Pressurepsig (surface pressure)	afterHours	S					

Ιc all that the information is true, accurate, and complete.

Were core samples taken? Yes	No X We	re cuttings caught during d	illing? YesX No
Were Electrical, Mechanical or Geophy	sical logs recorded on this well?	If was places list Yes - C	BL.
This is a subsequent well. Antero only runs wireline logs on the	first well on a multi-well pad (Sayler Unit 2H, AP# 47-	033-05583). Please reference the wireline log	s submitted with Form WR-35 for Sevier Unit 2H
NOTE: IN THE AREA BELOW FRACTURING OR STIMULATING DETAILED GEOLOGICAL RECO COAL ENCOUNTERED BY THE V	PUT THE FOLLOWING: G, PHYSICAL CHANGE, ETC ORD OF THE TOPS AND 1	1). DETAILS OF PE C. 2). THE WELL LOG V	RFORATED INTERVALS,
Perforated Intervals, Fracturing, or Stim	ulating:		
Perforations: 7389'-15565' (1,728	3 holes)		
Frac'd w/ 12,500 gals 15% HCL	Acid, 175,971 bbls Slick V	Vater carrying 894,20	0# 100 mesh.
3,245,300# 40/70 and 1,889,600)# 20/40 sand.		
Plug Back Details Including Plug Type a	and Depth(s): N/A		
Formations Encountered: Surface:	Top Depth	1	Bottom Depth
Big Lime	4.000		
Fifty Foot Sandstone	1682'	2149'	
Gordon	2150'	2246'	
Fifth Sandstone	2247'	2533'	
Bayard	2534'	2590'	
Speechley	2591'	3228'	
Balltown	3229'	3482'	
Bradford	3483'	4003'	
Benson	4004'	4621'	
Alexander	4622'	4850'	
Elk .	4851'	5002'	
ycamore	5003'	6389'	
Middlesex	6390'	6610'	
Burket	6611'	6797'	
ully	6798'	6824'	
	6825'	6936'	
lamilton	6937'	7001'	
Marcellus Properties of the Control	7002'	7507' TVD	



Hydraulic Fracturing Fluid Product Component Information Disclosure

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Fracture Date	11/10/2012
State:	West Virginia
Countys	Harrison
API Number:	47-033-05584
Operator Names	Antero Resources
Well Name and Number:	Findley 1H
Longitude:	-80,4953306
Latitude:	39,1885639
Long/Lat:Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	7,157
Total Water Volume (gal):	7,398,804

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
Water	ANTERO RESOURCE S	Water	Water	7732-18-5	100.00	90.816780269538	
HCL Acid (12.5%-18.0%)	Nations Completion and Production Services	Bulk Acid	Hydrogen Chloride	7641-01-1	18.00	0.030043000000	
HCL Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid	Water	7732-18-5	87.50	0.148040000000	
Acid Inhibitor 2 (AI-2)	Nabors Completion and Production Services	Acid Corrosion inhibitors	Ethoxylated Nonylphenol	68412-54-4	13.00	0.000039000000	
Acid inhibitor 2 (Al-2)	Nations Completion and Production Services	Acid Corrosion Inhibitors	Glycol Ethers	11-76-2	20.00	0.000081000000	
Acid Inhibitor 2 (Al-2)	Nabors Completion and Production Services	Acid Corrosion Inhibitors	isopropyl Alcohol	67-63-0	15.00	0.000046000000	
Acid Inhibitor 2 (Al-2)	National Completion and Production Services	Acid Corrosion Inhibitors	Propargyl Alcohol	107-19-7	20.00	0.000081000000	

Acid Inhibitor 2 (AI-2)	Nabors Completion and Production Services		Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	10.00	0.000030000000	
Acid Inhibitor 2 (AI-2)	Nabors Completion and Production Services	Acid Corresion Inhibitors	Water	773218-5	40.00	0.000122000000	
KR-153SL	Nabors Completion and Production Services	Biocides	2,2-dibromo-3-nitrilopropionamide	10222-01-2	20.00	0.002251000000	
KR-153SL	Nabors Completion and Production Services	Biocides	Water	7732-18-5	80.00	0.009003000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Ethoxylated alcohols	68551-12-2	15.00	0.008635000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Ethoxylated oleylamine	26635-93-8	5.00	0.002878000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8	50.00	0.028784000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Microparticle	Proprietary	1.00	0.000576000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Polyacrylamide	57-55-6	40.00	0.023028000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Propylene glycol	57-55-6	15.00	0.008635000000	
WFR-3B	Nabors Completion and Production Services	Friction Reducer	Water	7732-18-5	40.00	0.023028000000	RECEIVED
EB-4L	Nabors Completion and Production Services	Gel Breakers	Breaker Component	Proprietary	Proprietary	0.000510000000	JAN 25 2013 WV GEOLOGICAL SURVE MORGANTOWN, WV
EB-4L	Nabors Completion and Production	Gel Breakers	Cellulase enzyme	Proprietary	Proprietary	0.000510000000	

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EB-4L	Nabors Completion and Production Services Nabors Completion and Production Services Nabors Completion and Production	Gel Breakers Gel Breakers	Demuisifier Base Ethylene Glycol	Proprietary	Proprietary 25.00	0.000610000000 0.000128000000	
EB-4L	Completion and Production Services Nebors Completion and Production		Ethylene Glycol	107-21-1	25.00	0.000128000000	
	Completion and Production	Gel Breakers					
	Services		Sugar	57-50-1	Proprietary	0.000510000000	
	Nebors Completion and Production Services	Gel Breakers	Water	7732-18-5	Proprietary	0.000510000000	
	Nations Completion and Production Services	Gel Breakers	Ammonium Persuifate	7727-54-0	100.00	0.008777000000	
	Nabors Completion and Production Services	Gel Breakers	Silica, crystalline quartz	7631-86-9	10.00	0.000878000000	
	Nebors Completion and Production Services	Gel Breakers	vinylidene chloride-methyl acrylate copolymer	25038-72-8	20.00	0.001755000000	
	Nabors Completion and Production Services	Gelling Agents	Crystalline Silica (in the form of quartz)	14808-60-7	2.00	0.000992000000	
	Nabors Completion and Production Services	Getting Agents	guer gum	9000-30-0	50.00	0.024801000000	
1	Nebors Completion and Production Services	Geiling Agents	Organophylic Clay	68593-58-2	0.00	0.000000000000	
	Nabors Completion and Production Services	Getling Agents	Petroleum Distiliates	64742-47-8	70.00	0.034722000000	
L8G-100L	Nabors Completion and Production Services	Gelling Agents	Surfectant	68439-51-0	2.00	0.000992000000	W
Super TSC-LT	Nabors Completion and	Paraffin & Scale Additives	Proprietary	Proprietary	15.00	0.002188000000	10 mg - 10 mg

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	Production Services						
Super TSC-LT	Nabors Completion and Production Services	Paraffin & Scale Additives	Proprietary	Proprietary	15.00	0.002188000000	
Super TSC-LT	Nabors Completion and Production Services	Paraffin & Scale Additives	Proprietary	Proprietary	15.00	0.002188000000	
Super TSC-LT	Nabors Completion and Production Services	Paraffin & Scale Additives	Proprietary	Proprietary	50.00	0.007293000000	
Super TSC-LT	Nabors Completion and Production Services	Paraffin & Scale Additives	Water	7732–18-5	60.00	0.008752000000	
WV Local 100 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Aluminum Oxide	1344-28-1	1.10	0.01448000000	
WV Local 100 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica, quartz	14808-60-7	99.90	1.315030000000	
	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Iron Oxide	1309-37-1	0.10	0.001316000000	
	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Titanium Oxlde	13463-67-7	0.10	0.001316000000	
mesh Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Aluminum Oxide	1344-28-1	1.10	0.030592000000	
WV Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica, quartz	14808-60-7	99.90	2.778266000000	
WV Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Iron Oxide	1309-37-1	0.10	0.002781000000	w,
WV Specific 20/40 mesh Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Titanium Oxide	13463-67-7	0.10	0.002781000000	
WV Specific 40/70 mesh Sand	Nabors Completion	Sand - Bulk - West Virginia	Aluminum Oxide	1344-28-1	1.10	0.052540000000	

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and Production Services						
Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica, quartz	14808-60-7	99.90	4.771543000000	
Nabors Completion and Production Services	Sand - Bulk - West Virginia	Iron Oxide	1309-37-1	0.10	0.004776000000	
Nabors Completion and Production Services	Sand - Bulk - West Virginia	Titanium Oxide	13463-67-7	0.10	0.004776000000	
	Production Services Nabors Completion and Production Services	Production Services Nabors Completion and Production Services Nabors Completion and Production Services Nabors Completion Services	Production Services Nabors Completion and Production Services Sand - Bulk - West Virginia Titanium Oxide Titanium Oxide	Production Services Nabors Completion and Production Services Nabors Completion Services Nabors Completion Services Nabors Completion and Production Services Nabors Completion Services Nabors Completion and Production Services	Production Services Nabors Completion and Production Services Nabors Completion and Production Services Nabors Completion and Production Services Nabors Completion Services Nabors Completion Services Nabors Completion and Production Services	Production Services Nabors Completion and Production Services Nabors Completion Services Nabors Completion Services Nabors Completion Services Nabors Completion and Production Services Nabors Completion Accordance Services Nabor

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

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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