

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:	8/5/2013	
API#:	47-017-06129	

rm name: Moore, Dwight E. & Tina M.	Operator Well					
OCATION: Elevation: 1,237'	Quadrangle: Smithburg 7.5'					
District: Grant	County: Doddridge					
Latitude: 9,413 Feet South of 39 Deg.	20 Min.	00 Se				
Longitude 5.623 Feet West of 80 Deg.	40 Min.	oo Se	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'	39 Cu Ft Class A		
Agent: CT Corporation System	13 3/8" 48#	543'	543'	754 Cu Ft Class A		
Inspector: Douglas Newlon	9 5/8" 36#	2,583'	2,583'	1,052 Cu Ft. Class A		
Date Permit Issued: 10/05/2012	5 1/2" 20#	14,725'	14,725'	3,617 Cu Ft. Class H		
Date Well Work Commenced: 12/6/2012						
Date Well Work Completed: 5/10/2013						
Verbal Plugging: N/A						
Date Permission granted on: N/A						
Rotary Cable Rig						
Total Vertical Depth (ft): 7113' TVD (Deepest Point Drilled)						
Total Measured Depth (ft): 14,725' MD, 7111' TVD (BHL)						
Fresh Water Depth (ft.): 192'						
Salt Water Depth (ft.): 1336', 1681'						
Is coal being mined in area (N/Y)? N						
Coal Depths (ft.): 274', 444', 1290'						
Void(s) encountered (N/Y) Depth(s) N, N/A						
OPEN FLOW DATA (If more than two producing formation	ons please inclu	de additional d	lata on separate	sheet)		
	one depth (ft)					
Gas: Initial open flow MCF/d Oil: Initial open fl		ol/d				
Final open flow 8,794 MCF/d Final open flow		l/d		0 009		
Time of open flow between initial and final tests	Hours			16.50		
Static rock Pressure 3550 psig (surface pressure) af	ter Hour	TS.	- 50	200		
Second producing formation Pay zon	ne depth (ft)		QV I	DEC 0 DEUD		
Gas: Initial open flowMCF/d Oil: Initial open fl	11	bl/d	-0100	600		
Final open flow MCF/d Final open flow	/ Bb	l/d	0,	U.S. J.		
	DU	1/ CI	0	(186		

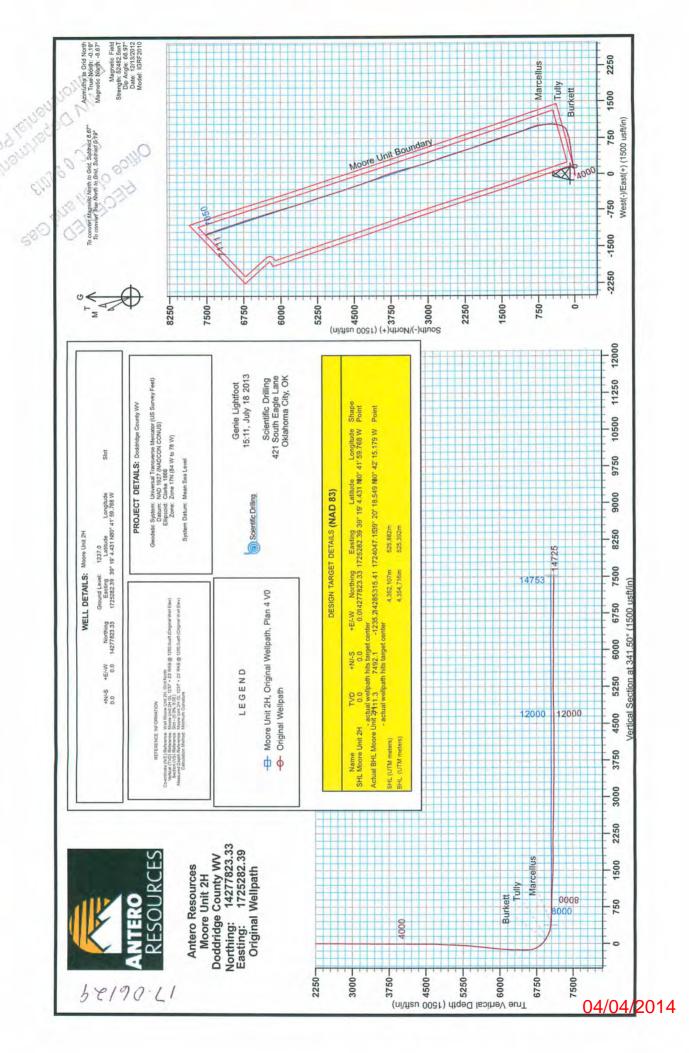
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

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Date

04/04/2014

Were core samples taken? YesNo_X	Were cutting	gs caught during drilling? Yes	No_X
Were Electrical, Mechanical or Geophysical lo	ogs recorded on this well? If yes	_{olease list} Yes, CBL.	
This is a subsequent well. Antero only runs wireline logs on the first well on	a multi-well pad (Moore Unit 1H API#47-017-06128). P	lease reference the wireline logs submitted with Form W	/R-35 for Moore Unit 1H.
NOTE: IN THE AREA BELOW PUT FRACTURING OR STIMULATING, PHY DETAILED GEOLOGICAL RECORD (COAL ENCOUNTERED BY THE WELL)	YSICAL CHANGE, ETC. 2). TI OF THE TOPS AND BOTTO	HE WELL LOG WHICH IS A MINISTER OF ALL FORMATIONS	SYSTEMATIC
Perforated Intervals, Fracturing, or Stimulating	g:		
Perforated: 7,655- 14,670 (1,296 Hole	es)		
Frac'd w/ 9,500 gals 15% Acid, 188,1	83 bbls Slick Water carrying	1,001,339# 100 mesh,	
1,188,620# 40/70 sand and 2,407,760)# 20/40 sand		<u> </u>
,,			
Plug Back Details Including Plug Type and De	epth(s): N/A		
			<u> </u>
Providence Providence Providence	Ton Doubh) D.44	n Danth
Formations Encountered: Surface:	Top Depth	/ Botton	n Depth
Surface.			
Big Lime	est. 2049'	2165'	
Big Injun	est. 2166'	2598'	
Gantz Sand	est. 2597'	2730'	
Fifty Foot Sandstone	est. 2731'	2799'	
Gordon	est. 2800'	3142'	
Fifth Sandstone	est. 3143'	3156'	
Bayard	est. 3157'	3885'	
Speechley	est. 3886'	4146'	
Balltown	est. 4147'	4662'	
Bradford	est. 4663'	5165'	
Benson	est. 5166'	5434'	
Alexander	est. 5435'	6189'	
Rhinestreet	est. 6190'	5446'	JO 209
Sycamore	6547'	6775'.	(C)
Sonyea	6776'	(4)	
Burkett	6924'	6923 6952	$\mathcal{S}_{\kappa} = \mathcal{N}_{\kappa}$
Tully	6953'	7025	~ (C),
Hamilton	7016'	7015' 7040' (
Marcellus	7041'	7,113 ['] Y	٧̈́D ڪ
Marcenas		.,220 .	
		w. C	
		€5	VD COCOLOR
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Hydraulic Fracturing Fluid Product Component Information Disclosure

5/4/2013	Job Start Date:
5/11/2013	Job End Date:
West Virginia	State:
Doddridge	County:
47-017-06129-00-00	API Number:
Antero Resources Corporation	Operator Name:
Moore Unit 2H	Well Name and Number:
-80.66684400	Longitude:
39.33325000	Latitude:
NAD27	Datum:
NO	Federal/Tribal Well:
7,911,246	Total Base Water Volume (gal):
26,520	Total Base Non Water Volume:







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
reshwater	Antero Resources	water					
			Water	7732-18-5	100.00000	88.21144	
10/70 White	US Silica	Propppant			1		
			Sand	14808-60-7	100.00000	6.34453	
20/40 White	US Silica	Propppant					
			Sand	14808-60-7	100.00000	3.64705	
100 Mesh	US Silica	Propppant					
			Sand	14808-60-7	100.00000	1.59303	
Beta M-4.0	PfP	Guar Gel					
			Petroleum Distillate	64742-47-8	55.00000	0.06500	
			Guar Gum	9000-30-0	50.00000	0.05910	
			Clay	1302-78-9	5.00000	0.00591	
			Surfactant	154518-36-2	1.00000	0.00118	
Plexslick 953	Chemplex	Friction Reducer					
			Water	7732-18-5	35.00000	0.02007	
			Polyacrylamide-co-acrylic acid	9003-06-9	32.00000	0.01835	
			Hydrotreated Petroleum Distillate	64742-47-8	30.00000		
			Alcohol Ethoxylate Surfactants	Proprietary	8.00000	0.00459	
Plexcide 15G	Chemplex	Biocide					
			Water	7732-18-5	90.00000	0.02217	

			Glutaraldehyde	111-30-8	14.00000	0.00345	
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	3.00000	0.00074	6,49
			Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	3,00000	0.00074	
			Ethanol	64-17-5	3.00000	0.00074	800
drochloric Acid 10- %	Reagent	Acid					
			Hydrchloric Acid	7647-01-0	15.00000	0.02036	10.00
exaid 673	Chemplex	Scale Inhibitor			E COLOR		
			Water	7732-18-5	85.00000	0.01130	V 46
			Methyl Alcohol	67-56-1	25.00000	0.00332	
			Sodium Salt of Phosphonodimethylated Diamine	Proprietary	5.00000	0.00066	
dium Persulfate	Chemplex	Breaker					
			Sodium Persulfate	7775-27-1	100.00000	0.00154	
exhib 256	Chemplex	Corrosion					
			Methyl Alcohol	67-56-1	70.00000	0.00030	
			Alcohol Ethoxylate Surfactants	Proprietary	30.00000	0.00013	
			thiourea-formaldehyde copolymer	68527-49-1	30.00000	0.00013	
			n-olefins	Proprietary	10.00000	0.00004	
			Propargyl Alcohol	107-19-7	8.00000	0.00003	
exbreak 145	Chemplex	Non-emulsifier					
			Water	732-18-5	66.00000	0.00031	
			Ethylene Glycol Monobutyl Ethe	111-76-2	15.00000	0.00007	
			Methyl Alcohol	67-56-1	15.00000	0.00007	
			Cocamide Diethanolamine Salt	68603-42-9	10.00000	0.00005	
			Diethanolamine	111-42-2	5.00000	0.00002	
erriplex 66	Chemplex	Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00014	
			Water	7732-18-5	35.00000	0.00010	
			Citric Acid	77-92-9	30.00000	0.00008	

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)

^{*} 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%