

JR

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: 9/26/2013
API #: 47-033-05678

Farm name: Myer, Everett M. Jr. Operator Well No.: Everett Unit 2H

LOCATION: Elevation: 1358' Quadrangle: Big Isaac

District: Union County: Harrison
Latitude: 3.426' Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 6.956' Feet West of 80 Deg. 30 Min. 00 Sec.

Company: Antero Resources Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	333'	333'	463 Cu. Ft Class A
Inspector: Sam Ward	9 5/8" 36#	2,587'	2,587'	1053 Cu. Ft Class A
Date Permit Issued: 10/19/2012	5 1/2" 20#	16,554'	16,554'	4118 Cu. Ft Class H
Date Well Work Commenced: 3/23/2013				
Date Well Work Completed: 7/2/2013	2 3/8" 4.7#	7,601'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7320' TVD (Deepest Hole Drilled)				
Total Measured Depth (ft): 16,554' MD, 7276' TVD (BHL)				
Fresh Water Depth (ft.): 70'				
Salt Water Depth (ft.): None Available				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 184', 420', 467'				
Void(s) encountered (N/Y) Depth(s) None				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7278' (TOP)

Gas: Initial open flow --- MCF/d Oil: Initial open flow --- Bbl/d

Final open flow 8,818 MCF/d Final open flow --- Bbl/d

Time of open flow between initial and final tests --- Hours

Static rock Pressure 3600 psig (surface pressure) after --- Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

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.

Kaitlin Buck
Signature

12/6/13
Date

04/04/2014

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Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes _____ No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Thaddeus Unit 2H API#47-033-05622). Please reference the wireline logs submitted with Form WR-35 for Thaddeus Unit 2H.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,599'-16,489' (2,592 Holes)

Frac'd w/ 20,000 gals 15% HCL Acid, 186,461 Slick Water carrying 842,122# 100 mesh,
3,117,489# 40/70 sand and 2,088,665# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			
Big Lime	est 1960'		2065'
Big Injun	est 2066'		2314'
Gantz Sand	est 2315'		2429'
Fifty Foot Sandstone	est 2430'		2522'
Gordon	est 2523'		2831'
Fifth Sandstone	est 2832'		2871'
Bayard	est 2872'		3530'
Speechley	est 3531'		3774'
Balltown	est 3775'		4289'
Bradford	est 4290'		4842'
Benson	est 4843'		5041'
Alexander	est 5042'		5189'
Elk	5190'		6654'
Sycamore	6655'		6927'
Middlesex	6928'		7103'
Tully	7104'		7218'
Hamilton	7219'		7277'
Marcellus	7278'		7320' TVD

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Antero Resources
 Everett Unit 2H
 Harrison County West Virginia
 Northing: 14231172.68
 Easting: 1778741.65
 Sidetrack 1

WELL DETAILS: Everett Unit 2H

+N/-S	+E/-W	Northing	Ground Level	1358.0	Longitude	Slot
0.0	0.0	14231172.68	Easting	1778741.6539° 11' 20.871 N80° 30' 42.520 W		



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Everett Unit 2H, Grid North
 Vertical (TVD) Reference: Everett Unit 2H GL 1358 + 28' RKB @ 1386 Ouch (Original Well Elev)
 Section (VS) Reference: Slot - @ (DN, 0 DE)
 Measured Depth Reference: Everett Unit 2H GL 1358 + 28' RKB @ 1386 Ouch (Original Well Elev)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: Harrison County West Virginia

Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: Zone 17N (84 W to 78 W)
 System Datum: Mean Sea Level

LEGEND

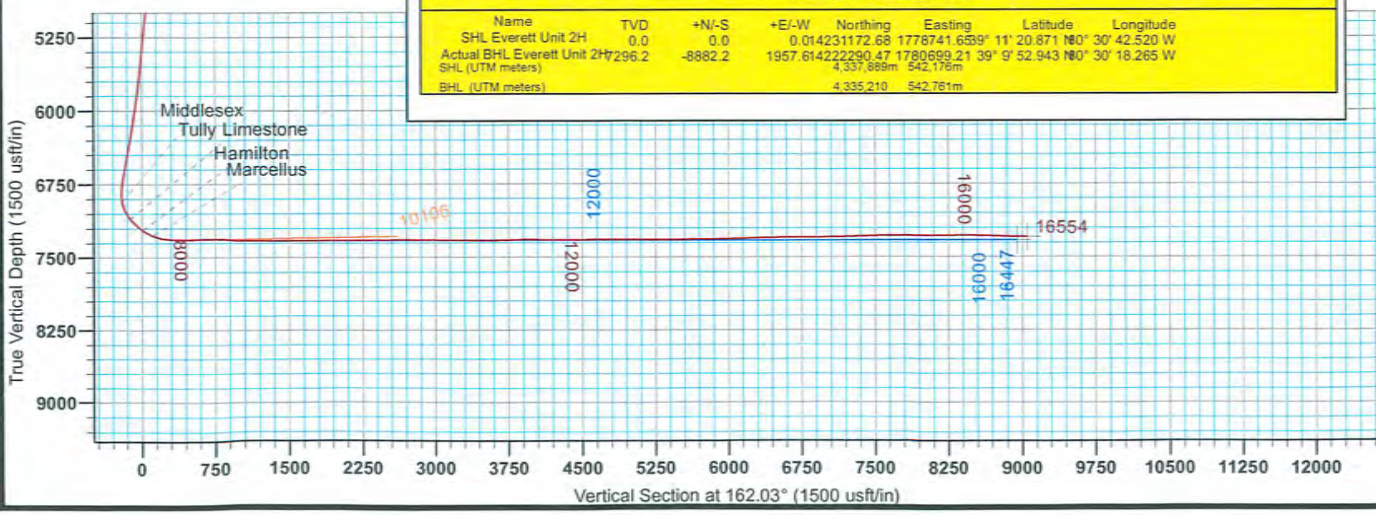
- Everett Unit 2H, Sidetrack 1, Plan 1 ST 1 V0
- Everett Unit 2H, Original Wellpath, Original Wellpath V0
- Thaddeus Unit 1H, Original Wellpath, Original Wellpath V0
- Thaddeus Unit 1H, Original Wellpath, Plan 2 Post Gyro V0
- Thaddeus Unit 2H, Original Wellpath, Plan 4 V0
- Thaddeus Unit 2H, Original Wellpath, Original Wellpath V0
- Mirth Unit 2H, Original Wellpath, As Drilled V0
- Mirth Unit 1H, Original Wellpath, Plan 5 V0
- Mirth Unit 1H, Original Wellpath, As Drilled V0
- Everett Unit 1H, Original Wellpath, Plan 3 V0
- Everett Unit 1H, Original Wellpath, As Drilled V0
- Sidetrack 1

Genie Lightfoot
 15:30, September 09 2013

Scientific Drilling
 421 South Eagle Lane
 Oklahoma City, OK

DESIGN TARGET DETAILS

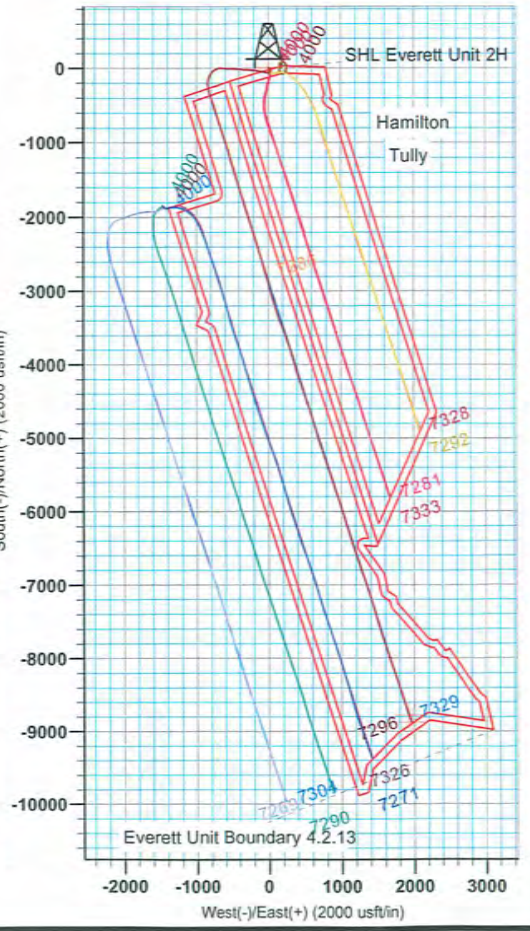
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL Everett Unit 2H	0.0	0.0	0.014231172.68	1778741.6539° 11' 20.871 N80° 30' 42.520 W			
Actual BHL Everett Unit 2H	296.2	-8882.2	1957.614222290.47	1780699.21 39' 9" 52.943 N80° 30' 18.265 W			
SHL (UTM meters)			4.337.889m	542.176m			
BHL (UTM meters)			4.335.210	542.761m			



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Azimuths to Grid North
 True North: -0.31°
 Magnetic North: -8.90°

Magnetic Field
 Strength: 52352.0snT
 Dip Angle: 66.81°
 Date: 4/16/2013
 Model: IGRF2010

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/4/2013
Job End Date:	7/2/2013
State:	West Virginia
County:	Harrison
API Number:	47-033-05678-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Everett Unit 2H
Longitude:	-80.51181000
Latitude:	39.18913100
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,320
Total Base Water Volume (gal):	8,389,332
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
Water	Operator	Carrier	Water	7732-18-5	100.00000	91.73947	
Sand, White, 40/70	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00000	4.08926	
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00000	2.60421	
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00000	1.10282	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Water	7732-18-5	85.00000	0.22093	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.03895	SmartCare Product
GW-3LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60.00000	0.04030	SmartCare Product
			Petroleum Distillates	64742-47-8	30.00000	0.02015	SmartCare Product
			Paraffinic Petroleum Distillate	64742-55-8	30.00000	0.02015	SmartCare Product
			Isotridecanol, ethoxylated	9043-30-5	5.00000	0.00336	SmartCare Product
			Crystalline Silica: Quartz	14808-60-7	5.00000	0.00336	SmartCare Product
			1-butoxy-2-propanol	5131-66-8	5.00000	0.00336	SmartCare Product
FRW-18	Baker Hughes	Friction Reducer					

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			Petroleum Distillates	64742-47-8	30.00000	0.01545	SmartCare Product
Enzyme G-NE	Baker Hughes	Breaker					
			Water	7732-18-5	95.00000	0.01004	SmartCare Product
			Hemicellulase Enzyme Concentrate	9025-56-3	5.00000	0.00053	SmartCare Product
Alpha 1427	Baker Hughes	Biocide					
			Glutaraldehyde	111-30-8	30.00000	0.00623	SmartCare Product
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	10.00000	0.00208	SmartCare Product
			Ethanol	64-17-5	5.00000	0.00104	SmartCare Product
			Quaternary Ammonium Compound	68424-85-1	5.00000	0.00104	SmartCare Product
Scaletrol 720	Baker Hughes	Scale Inhibitor					
			Ethylene Glycol	107-21-1	30.00000	0.00428	SmartCare Product
			Calcium Chloride	10043-52-4	5.00000	0.00071	SmartCare Product
Ferrotrol 300L	Baker Hughes	Iron Control					
			Citric Acid	77-92-9	60.00000	0.00097	SmartCare Product
CI-14	Baker Hughes	Corrosion Inhibitor					
			Methanol	67-56-1	100.00000	0.00037	SmartCare Product
			Polyoxyalkylenes	Trade Secret	30.00000	0.00011	SmartCare Product
			Fatty Acids	Trade Secret	10.00000	0.00004	SmartCare Product
			Propargyl Alcohol	107-19-7	5.00000	0.00002	SmartCare Product
			Olefin	Trade Secret	5.00000	0.00002	SmartCare Product
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
		Other Chemicals					
			Water	7732-18-5		0.04615	
			Poly (acrylamide-co-acrylic acid)	Trade Secret		0.01545	
			Polyacrylate	Trade Secret		0.00285	
			Salt	Trade Secret		0.00257	
			Sorbitan Monooleate	Trade Secret		0.00257	
			Ethoxylated Alcohol	Trade Secret		0.00103	
			2-butoxy-1-propanol	15821-83-7		0.00007	
			Modified Thiorea Polymer	68527-49-1		0.00003	
			Potassium Chloride	7447-40-7		0.00001	
			Sodium Chloride	7647-14-5		0.00000	
			Formaldehyde	50-00-0		0.00000	
			Hydrochloric Acid	7647-01-0		0.00000	

* 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)