WR-35
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State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 033 - 05700 County Harrison District Union
Quad West Milford & Big Isaac Pad Name Bowyer Pad Field/Pool Name ----------
Farm name Bowyer, Matt E. & Lisa Devought Well Number Myers Unit 1H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,339,271.756m Easting 544,082.412m
Landing Point of Curve Northing 4,339,408.30m Easting 544,038.97m
Bottom Hole Northing 4,341,980.983m Easting 543,155.457m

Elevation (ft) 1,278' GL Type of Well ■New □ Existing Type of Report □Interim ■Final

Permit Type □ Deviated □ Horizontal ■ Horizontal 6A □ Vertical Depth Type □ Deep ■ Shallow

Type of Operation □ Convert □ Deepen ■ Drill □ Plug Back □ Redrilling □ Rework ■ Stimulate

Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ Secondary Recovery □ Solution Mining □ Storage □ Other _____

Type of Completion ■ Single □ Multiple Fluids Produced □ Brine ■Gas □ NGL □ Oil □ Other _____
Drilled with □ Cable ■ Rotary

Drilling Media Surface hole ■ Air □ Mud □Fresh Water Intermediate hole ■ Air □ Mud □ Fresh Water □ Brine
Production hole □ Air ■ Mud □ Fresh Water □ Brine

Mud Type(s) and Additive(s)
Air- Foam & 4% KCL
Mud- Polymer

Date permit issued 12/27/2012 Date drilling commenced 05/08/2013 Date drilling ceased 09/03/2013
Date completion activities began 09/17/2013 Date completion activities ceased 04/05/2014
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 102', 204' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1,466'; 1,762' Void(s) encountered (Y/N) depths None
Coal depth(s) ft 391' Cavern(s) encountered (Y/N) depths None
Is coal being mined in area (Y/N) No

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CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	20"	40'	New	94#; H-40	N/A	Yes
Surface	17 1/2"	13 3/8"	405'	New	48#; H-40	N/A	Yes
Coal							
Intermediate 1	12 1/4"	9 5/8"	2,545'	New	36#; J-55	N/A	Yes
Intermediate 2							
Intermediate 3							
Production	8 3/4" & 8 1/2"	5 1/2"	16,369'	New	20#; P-110	N/A	Yes
Tubing		2 3/8"	7,197'		4.7#; N-80	N/A	
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ^{3}/sks)	Volume (ft ^{3})	Cement Top (MD)	WOC (hrs)
Conductor	Class A	100 sx	15.6	1.18	38	0'	8 Hrs.
Surface	Class A	498 sx	15.6	1.18	281	0'	8 Hrs.
Coal							
Intermediate 1	Class A	940 sx	15.6	1.18	797	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	1,114 sx (Lead); 1,413 sx (Tail)	14.5 (Lead); 15.2 (Tail)	1.3 (Lead); 1.86 (Tail)	3,282	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 16,372' MD; 7,245' TVD Loggers TD (ft) 16,327'

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6,692'

**This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Winnie Unit 2H, API #47-033-05615). Please reference the wireline logs submitted with Form WR-35 for the Winnie Unit 2H. A Cement Bond Log has been included with this submittal.

Check all wireline logs run ** ☐ caliper ☐ density ☐ deviated/directional ☐ induction ☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ■ No Conventional Sidewall Were cuttings collected ☐ Yes ■ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

Conductor- 0

Surface- 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate- 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production- 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ■ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ■ No DETAILS _____

WERE TRACERS USED ☐ Yes ■ No TYPE OF TRACER(S) USED _____

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API 47- 033 - 05700 Farm name Bowyer, Matt E. & Lisa Devought Well number Myers Unit 1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
		* PLEASE SEE ATTACHED EXHIBIT 1			

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
			* PLEASE SEE ATTACHED EXHIBIT 2					

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS		
Marcellus	7,044' (top) TVD	7,157' (top) MD	

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ■ Open Flow OIL TEST ☐ Flow ☐ Pump

SHUT-IN PRESSURE Surface 3,600 psi Bottom Hole ---------- psi DURATION OF TEST ---------- hrs

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY
	10,317 mcfpd	---------- bpd	---------- bpd	186 bpd	☐ Estimated ■ Orifice ☐ Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H_2S, ETC)
	0		0		

*** PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor Patterson - UTI Drilling Company, LLC
Address 207 Carlton Drive City Eighty Four State PA Zip 15330

Logging Company Nine Energy Service
Address 125 Museum Rd. City Washington State PA Zip 15301

Cementing Company Nabors Completion & Production Services Co.
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

Stimulating Company Baker Hughes
Address 837 Philippi Pike City Clarksburg State WV Zip 26031

Please insert additional pages as applicable.

Completed by Megan Darling Telephone 303-357-7230
Signature Megan C. Darling Title Permitting Agent Date 08/07/2015

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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API 47-033-05700 Farm Name Bowyer, Matt E. & Lisa Devought Well Number Myers Unit 1H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	17-Sep-13	16,034	16,309	60	Marcellus
2	2-Mar-14	15,808	15,999	60	Marcellus
3	2-Mar-14	15,582	15,773	60	Marcellus
4	3-Mar-14	15,355	15,546	60	Marcellus
5	3-Mar-14	15,129	15,320	60	Marcellus
6	3-Mar-14	14,902	15,093	60	Marcellus
7	4-Mar-14	14,676	14,867	60	Marcellus
8	4-Mar-14	14,449	14,640	60	Marcellus
9	4-Mar-14	14,223	14,414	60	Marcellus
10	5-Mar-14	13,996	14,187	60	Marcellus
11	5-Mar-14	13,770	13,961	60	Marcellus
12	5-Mar-14	13,543	13,734	60	Marcellus
13	5-Mar-14	13,317	13,508	60	Marcellus
14	6-Mar-14	13,090	13,281	60	Marcellus
15	6-Mar-14	12,864	13,055	60	Marcellus
16	6-Mar-14	12,637	12,828	60	Marcellus
17	6-Mar-14	12,411	12,602	60	Marcellus
18	13-Mar-14	12,184	12,375	60	Marcellus
19	9-Mar-14	11,958	12,149	60	Marcellus
20	9-Mar-14	11,731	11,922	60	Marcellus
21	8-Mar-14	11,505	11,696	60	Marcellus
22	9-Mar-14	11,278	11,469	60	Marcellus
23	9-Mar-14	11,052	11,243	60	Marcellus
24	10-Mar-14	10,825	11,016	60	Marcellus
25	9-Mar-14	10,599	10,790	60	Marcellus
26	10-Mar-14	10,372	10,563	60	Marcellus
27	10-Mar-14	10,146	10,337	60	Marcellus
28	10-Mar-14	9,919	10,110	60	Marcellus
29	11-Mar-14	9,693	9,884	60	Marcellus
30	12-Mar-14	9,466	9,657	60	Marcellus
31	11-Mar-14	9,240	9,431	60	Marcellus
32	12-Mar-14	9,013	9,204	60	Marcellus
33	12-Mar-14	8,787	8,978	60	Marcellus
34	12-Mar-14	8,560	8,751	60	Marcellus
35	12-Mar-14	8,334	8,525	60	Marcellus
36	13-Mar-14	8,107	8,298	60	Marcellus
37	13-Mar-14	7,881	8,072	60	Marcellus
38	13-Mar-14	7,654	7,845	60	Marcellus
39	13-Mar-14	7,428	7,619	60	Marcellus
40	14-Mar-14	7,201	7,392	60	Marcellus

API 47-033-05700 Farm Name Bowyer, Matt E. & Lisa Devought Well Number Myers Unit 1H

EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	27-Feb-14	81.0	7,833	7,185	4,407	274,423	6,967	N/A
2	2-Mar-14	40.0	7,888	7,235	6,063	54,504	6,991	N/A
3	2-Mar-14	74.0	7,939	7,406	4,689	168,851	7,656	N/A
4	3-Mar-14	76.0	7,595	6,495	4,421	282,267	7,027	N/A
5	3-Mar-14	81.0	7,833	7,185	4,407	274,423	6,967	N/A
6	3-Mar-14	76.0	7,755	7,007	4,371	276,949	6,994	N/A
7	4-Mar-14	77.0	7,974	5,922	4,524	284,097	7,208	N/A
8	4-Mar-14	73.0	7,748	6,332	4,332	219,741	7,399	N/A
9	4-Mar-14	82.0	7,799	6,501	4,748	276,099	6,985	N/A
10	5-Mar-14	76.0	7,945	6,201	5,342	253,954	7,016	N/A
11	5-Mar-14	73.0	7,796	6,000	4,382	252,681	6,807	N/A
12	5-Mar-14	80.0	7,623	6,612	4,682	276,973	6,820	N/A
13	5-Mar-14	77.4	7,878	6,668	4,952	218,008	7,376	N/A
14	6-Mar-14	77.0	7,522	6,734	4,863	280,833	6,890	N/A
15	6-Mar-14	76.0	7,536	6,681	4,688	278,679	6,784	N/A
16	6-Mar-14	76.0	7,197	6,130	4,512	278,009	6,780	N/A
17	6-Mar-14	79.9	8,203	6,087	5,173	156,680	7,217	N/A
18	13-Mar-14	74.0	7,650	6,441	4,428	221,747	7,297	N/A
19	9-Mar-14	78.0	7,617	6,467	4,753	278,102	6,983	N/A
20	9-Mar-14	80.0	7,222	6,086	5,573	277,195	6,760	N/A
21	8-Mar-14	82.9	7,132	5,781	4,523	278,966	6,709	N/A
22	9-Mar-14	83.8	7,149	6,027	4,494	277,784	6,747	N/A
23	9-Mar-14	80.0	7,232	6,116	2,455	271,011	7,226	N/A
24	10-Mar-14	58.0	7,020	6,637	5,093	113,894	6,612	N/A
25	9-Mar-14	83.7	7,101	6,393	4,383	278,695	6,652	N/A
26	10-Mar-14	80.0	7,259	7,356	4,614	278,747	6,661	N/A
27	10-Mar-14	80.0	7,005	6,512	4,719	275,414	6,593	N/A
28	10-Mar-14	81.2	6,848	6,513	4,510	277,732	6,575	N/A
29	11-Mar-14	76.7	6,932	6,388	4,669	279,667	6,616	N/A
30	12-Mar-14	81.0	7,174	6,222	4,626	278,651	6,650	N/A
31	11-Mar-14	67.2	7,461	6,559	4,276	278,667	7,094	N/A
32	12-Mar-14	30.7	8,362	6,192	5,123	1,340	5,654	N/A
33	12-Mar-14	79.0	6,854	6,040	4,525	279,473	7,365	N/A
34	12-Mar-14	79.0	6,785	6,166	4,608	279,172	6,589	N/A
35	12-Mar-14	81.4	6,849	6,042	4,611	278,068	6,610	N/A
36	13-Mar-14	74.2	7,092	5,930	5,373	201,708	7,073	N/A
37	13-Mar-14	76.0	7,011	5,992	4,304	279,297	6,587	N/A
38	13-Mar-14	79.0	6,748	5,634	5,342	247,344	7,063	N/A
39	13-Mar-14	83.2	6,893	5,640	4,595	280,531	6,469	N/A
40	14-Mar-14	84.2	6,609	6,219	4,977	276,768	6,479	N/A
	AVG=	75.7	7,402	6,393	4,678	9,897,144	274,344	TOTAL

API 47-033-05700 Farm Name Bowyer, Matt E. & Lisa Devought Well Number Myers Unit 1H				
EXHIBIT 3				
LITHOLOGY/ FORMATION	**TOP DEPTH (TVD) From Surface**	**BOTTOM DEPTH (TVD) From Surface**	**TOP DEPTH (MD) From Surface**	**BOTTOM DEPTH (MD) From Surface**
Fresh Water	102'	N/A	102'	N/A
Fresh Water	204'	N/A	204'	N/A
Sandy Siltstone	0	281	0	281
Siltstone	est. 281	326	est. 281	326
Sandstone	est. 326	391	est. 326	391
Coal	est. 391	421	est. 391	421
Sandstone	est. 421	571	est. 421	571
Sandy Shale	est. 571	876	est. 571	876
Sandstone	est. 876	1,026	est. 876	1,026
Shale	est. 1026	1,071	est. 1026	1,071
Sandstone	est. 1071	1,176	est. 1071	1,176
Sandy Shale	est. 1176	1,266	est. 1176	1,266
Sandy Siltstone	est. 1266	1,326	est. 1266	1,326
Shale	est. 1326	1,416	est. 1326	1,416
Sandstone	est. 1416	1,476	est. 1416	1,476
Shale	est. 1476	1,526	est. 1476	1,526
Limey Shale	est. 1526	1,748	est. 1526	1,748
Big Lime	1,748	1,860	1,748	1,860
Big Injun	1,860	2,110	1,860	2,110
Gantz Sand	2,110	2,229	2,110	2,229
Fifty Foot Sandstone	2,229	2,330	2,229	2,330
Gordon	2,330	2,563	2,330	2,563
Fifth Sandstone	2,563	2,629	2,563	2,629
Bayard	2,629	3,044	2,629	3,044
Warren	3,044	3,330	3,044	3,330
Speechley	3,330	3,564	3,330	3,565
Baltown	3,564	4,086	3,565	4,088
Bradford	4,086	4,720	4,088	4,722
Benson	4,720	5,029	4,722	5,031
Alexander	5,029	5,314	5,031	5,316
Elk	5,314	5,620	5,316	5,622
Rhinestreet	5,620	6,418	5,622	6,420
Sycamore	6,418	6,673	6,420	6,676
Middlesex	6,673	6,832	6,676	6,844
Burkett	6,832	6,861	6,844	6,877
Tully	6,861	7,044	6,877	7,157
Marcellus	7,044	NA	7,157	NA

*Please note Antero determines shallow formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

ANTERO RESOURCES

Antero Resources
Myers Unit 1H
Harrison County West Virginia
Northing: 14235710.93
Easting: 1784995.57
As Drilled

WELL DETAILS: Myers Unit 1H

+N/-S	+E/-W	Northing	Easting	Ground Level: 1278.0 Latitude	Longitude	Slot
0.0	0.0	14235710.93	1784995.57	39° 12' 5.402 N	80° 29' 22.740 W	

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

REFERENCE INFORMATION

Coordinate (N/E) Reference: Well Myers Unit 1H, Grid North
Vertical (TVD) Reference: Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Calculation Method: Minimum Curvature

Scientific Drilling

Genie Lightfoot
16:33, August 29 2013

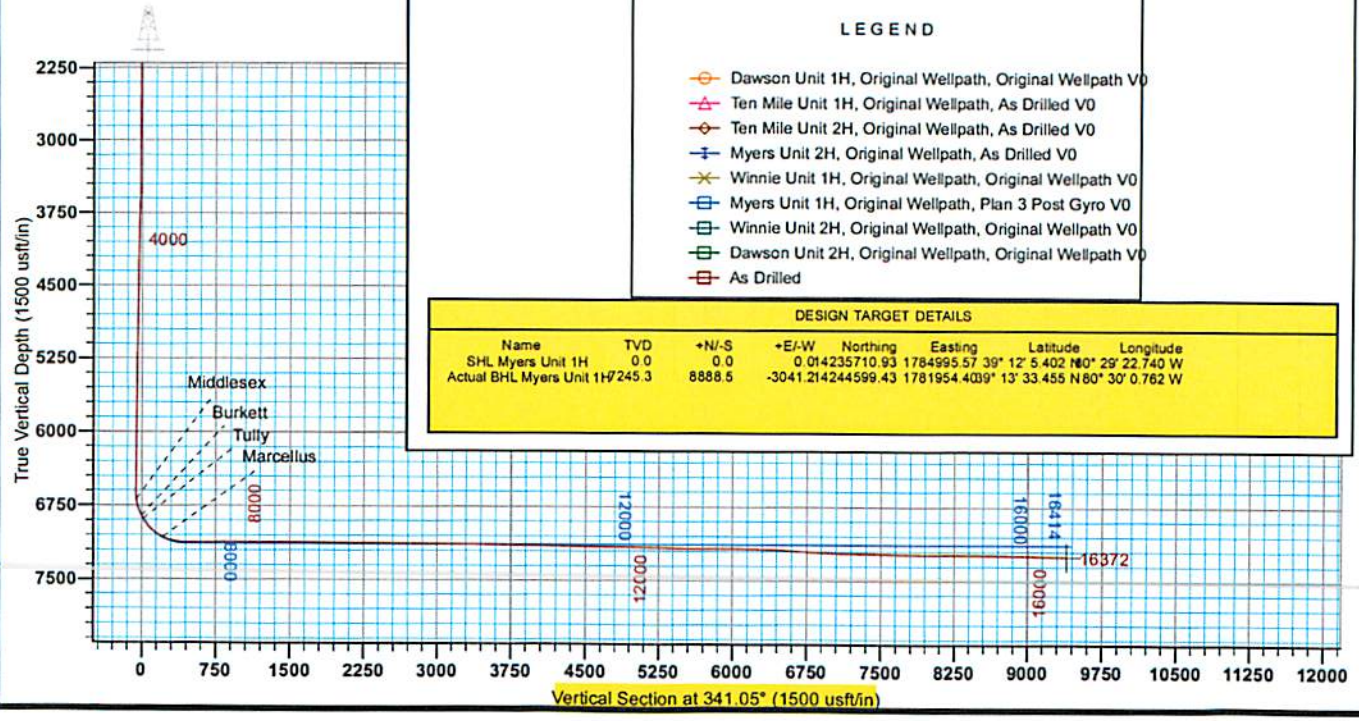
Scientific Drilling
421 South Eagle Lane
Oklahoma City, OK

LEGEND

- Dawson Unit 1H, Original Wellpath, Original Wellpath V0
- Ten Mile Unit 1H, Original Wellpath, As Drilled V0
- Ten Mile Unit 2H, Original Wellpath, As Drilled V0
- Myers Unit 2H, Original Wellpath, As Drilled V0
- Winnie Unit 1H, Original Wellpath, Original Wellpath V0
- Myers Unit 1H, Original Wellpath, Plan 3 Post Gyro V0
- Winnie Unit 2H, Original Wellpath, Original Wellpath V0
- Dawson Unit 2H, Original Wellpath, Original Wellpath V0
- As Drilled

DESIGN TARGET DETAILS

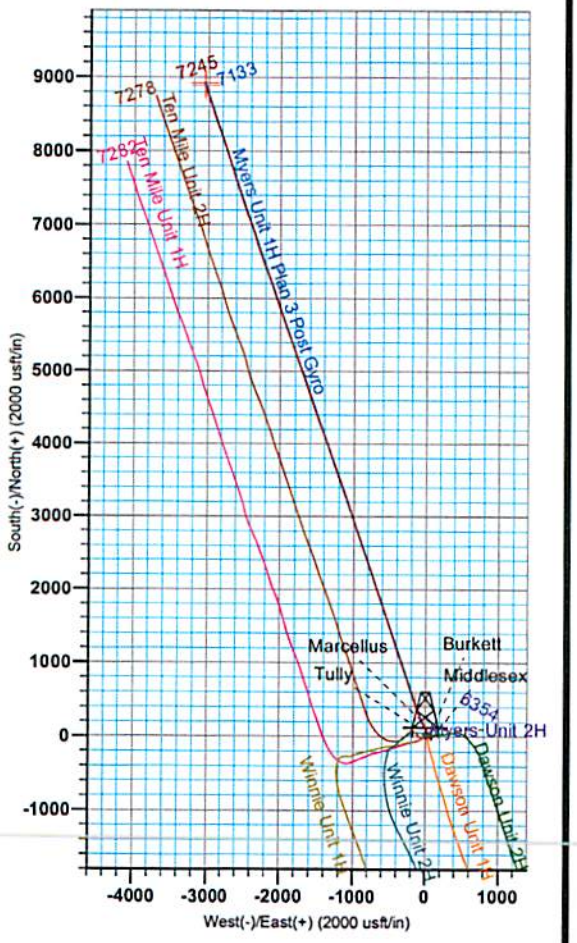
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL Myers Unit 1H	0.0	0.0	0.0	14235710.93	1784995.57	39° 12' 5.402 N	80° 29' 22.740 W
Actual BHL Myers Unit 1H	7245.3	8888.5	-3041.21	14244599.43	1781954.40	39° 13' 33.455 N	80° 30' 0.762 W



To convert Magnetic North to Grid, Subtract 8.94°
To convert True North to Grid, Subtract 0.32°

Azimuths to Grid North
True North: -0.32°
Magnetic North: -8.94°

Magnetic Field
Strength: 52347.5snT
Dip Angle: 66.81°
Date: 5/13/2013
Model: IGRF2010



33-05700

33.05700

Antero Resources

Harrison County West Virginia
Winnie/Dawson/Tenmile Pad
Myers Unit 1H
Original Wellpath

Design: As Drilled

EOW Completion Report

29 August, 2013

Scientific Drilling

33.05700

ANTERO RESOURCES

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Myers Unit 1H
Project:	Harrison County West Virginia	**TVD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Site:	Winnie/Dawson/Tenmile Pad	**MD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Well:	Myers Unit 1H	**North Reference:**	Grid
Wellbore:	Original Wellpath	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Oklahoma District

Project Harrison County West Virginia, Harrison County, USA

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 17N (84 W to 78 W)		

Site Winnie/Dawson/Tenmile Pad

Site Position:		**Northing:**	14,235,752.63 usft	**Latitude:**	39° 12' 5.817 N
From:	Map	**Easting:**	1,784,952.46 usft	**Longitude:**	80° 29' 23.285 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.32 °

Well Myers Unit 1H, Marcellus

Well Position	**+N/-S**	0.0 usft	**Northing:**	14,235,710.93 usft	**Latitude:**	39° 12' 5.402 N
	+E/-W	0.0 usft	**Easting:**	1,784,995.57 usft	**Longitude:**	80° 29' 22.740 W
Position Uncertainty		2.0 usft	**Wellhead Elevation:**	1,303.0 usft	**Ground Level:**	1,278.0 usft

Wellbore Original Wellpath

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/13/2013	-8.61	66.81	52,347

Design As Drilled

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	341.05

Survey Program Date 8/29/2013

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
178.0	6,482.0	Survey #1 Gyro (Original Wellpath)	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper
6,504.0	16,372.0	Survey #2 MWD (Original Wellpath)	SDI MWD	Scientific Drilling Intl. MWD - Standard ver 1.0.1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00
178.0	0.42	117.80	178.0	-0.3	0.6	-0.5	0.24
209.0	0.55	125.51	209.0	-0.4	0.8	-0.7	0.47
240.0	0.47	138.14	240.0	-0.6	1.0	-0.9	0.44
270.0	0.42	133.07	270.0	-0.8	1.2	-1.1	0.21
301.0	0.24	79.33	301.0	-0.9	1.3	-1.2	1.09
332.0	0.28	127.18	332.0	-0.9	1.4	-1.3	0.69
362.0	0.46	146.91	362.0	-1.0	1.6	-1.5	0.73
393.0	0.34	149.60	393.0	-1.2	1.7	-1.7	0.39
454.0	0.46	153.70	454.0	-1.6	1.9	-2.1	0.20
545.0	0.46	151.14	545.0	-2.2	2.2	-2.8	0.02

10/23/2015

33-05700

ANTERO RESOURCES

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Myers Unit 1H
Project:	Harrison County West Virginia	**TVD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Site:	Winnie/Dawson/Tenmile Pad	**MD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Well:	Myers Unit 1H	**North Reference:**	Grid
Wellbore:	Original Wellpath	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
637.0	0.34	154.52	637.0	-2.8	2.5	-3.5	0.13
728.0	0.32	149.60	728.0	-3.3	2.8	-4.0	0.04
820.0	0.39	152.38	820.0	-3.8	3.0	-4.6	0.08
912.0	0.42	163.53	912.0	-4.4	3.3	-5.2	0.09
1,005.0	0.40	158.11	1,005.0	-5.0	3.5	-5.9	0.05
1,130.0	0.41	160.44	1,130.0	-5.8	3.8	-6.7	0.02
1,256.0	0.49	150.67	1,256.0	-6.7	4.2	-7.7	0.09
1,382.0	0.39	153.31	1,382.0	-7.6	4.7	-8.7	0.08
1,507.0	0.40	165.64	1,507.0	-8.4	5.0	-9.5	0.07
1,634.0	0.29	148.23	1,634.0	-9.1	5.3	-10.3	0.12
1,759.0	0.32	131.16	1,759.0	-9.6	5.7	-10.9	0.08
1,887.0	0.38	139.07	1,887.0	-10.1	6.2	-11.6	0.06
2,015.0	0.40	133.77	2,015.0	-10.8	6.8	-12.4	0.03
2,141.0	0.39	115.82	2,141.0	-11.3	7.5	-13.1	0.10
2,269.0	0.51	119.46	2,268.9	-11.7	8.4	-13.8	0.10
2,396.0	0.55	114.35	2,395.9	-12.3	9.5	-14.7	0.05
2,524.0	0.50	115.81	2,523.9	-12.8	10.5	-15.5	0.04
2,675.0	0.32	121.32	2,674.9	-13.3	11.5	-16.3	0.12
2,803.0	0.48	124.27	2,802.9	-13.7	12.2	-17.0	0.13
2,963.0	0.50	103.17	2,962.9	-14.3	13.5	-17.9	0.11
3,123.0	0.48	100.98	3,122.9	-14.6	14.8	-18.6	0.02
3,282.0	0.64	87.49	3,281.9	-14.7	16.3	-19.2	0.13
3,314.0	0.61	91.12	3,313.9	-14.7	16.7	-19.3	0.16
3,345.0	0.60	106.32	3,344.9	-14.7	17.0	-19.4	0.52
3,398.0	4.19	56.59	3,397.9	-13.7	18.9	-19.1	7.23
3,473.0	5.25	42.02	3,472.6	-9.7	23.5	-16.8	2.12
3,494.0	6.30	79.74	3,493.5	-8.7	25.3	-16.5	18.37
3,588.0	5.91	96.46	3,587.0	-8.4	35.1	-19.3	1.93
3,746.0	3.83	98.13	3,744.4	-10.0	48.5	-25.2	1.32
3,841.0	3.09	96.65	3,839.2	-10.8	54.1	-27.8	0.78
3,916.0	3.09	96.65	3,914.1	-11.2	58.2	-29.5	0.00
3,974.0	2.37	98.38	3,972.0	-11.6	60.9	-30.7	1.25
4,099.0	1.45	104.53	4,097.0	-12.4	65.0	-32.8	0.75
4,224.0	0.54	104.36	4,222.0	-12.9	67.1	-34.0	0.73
4,350.0	0.63	150.73	4,348.0	-13.7	68.0	-35.0	0.37
4,475.0	0.87	150.80	4,472.9	-15.1	68.8	-36.6	0.19
4,601.0	0.91	141.41	4,598.9	-16.7	69.9	-38.5	0.12
4,725.0	1.00	145.23	4,722.9	-18.4	71.1	-40.5	0.09
4,853.0	0.93	150.89	4,850.9	-20.2	72.3	-42.6	0.09
4,980.0	0.78	154.53	4,977.9	-21.9	73.1	-44.4	0.13
5,107.0	0.56	153.42	5,104.9	-23.2	73.8	-45.9	0.17
5,235.0	0.79	143.66	5,232.9	-24.5	74.6	-47.4	0.20
5,363.0	0.80	153.40	5,360.8	-26.0	75.5	-49.1	0.11
5,491.0	0.73	140.59	5,488.8	-27.4	76.4	-50.7	0.14

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Myers Unit 1H
Project:	Harrison County West Virginia	**TVD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Site:	Winnie/Dawson/Tenmile Pad	**MD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Well:	Myers Unit 1H	**North Reference:**	Grid
Wellbore:	Original Wellpath	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
5,619.0	0.80	142.01	5,616.8	-28.7	77.5	-52.4	0.06
5,779.0	0.60	146.84	5,776.8	-30.3	78.6	-54.2	0.13
5,939.0	0.77	121.48	5,936.8	-31.6	80.0	-55.9	0.21
6,099.0	0.76	120.56	6,096.8	-32.7	81.8	-57.5	0.01
6,258.0	0.69	101.71	6,255.8	-33.4	83.7	-58.8	0.16
6,482.0	0.67	107.93	6,479.8	-34.1	86.3	-60.3	0.03
6,504.0	0.56	148.18	6,501.8	-34.2	86.4	-60.4	1.98
6,568.0	0.45	106.80	6,565.8	-34.6	86.8	-60.9	0.58
6,598.0	0.99	81.07	6,595.8	-34.6	87.2	-61.0	2.05
6,645.0	3.31	350.06	6,642.7	-33.2	87.4	-59.7	7.39
6,689.0	7.86	338.17	6,686.5	-29.1	86.0	-55.5	10.60
Middlesex							
6,692.0	8.17	337.84	6,689.5	-28.7	85.9	-55.1	10.60
6,739.0	13.22	336.05	6,735.6	-20.7	82.4	-46.4	10.77
6,786.0	18.37	334.13	6,780.9	-9.1	77.0	-33.7	11.01
6,833.0	23.53	332.21	6,824.7	5.8	69.4	-17.0	11.07
6,868.0	27.42	329.59	6,856.3	19.0	62.1	-2.2	11.56
Burkett							
6,880.0	28.76	328.85	6,866.9	23.8	59.2	3.3	11.56
6,901.0	31.13	328.64	6,885.1	32.8	53.7	13.6	11.31
Tully							
6,927.0	34.07	328.41	6,907.0	44.7	46.4	27.2	11.31
6,974.0	40.21	327.87	6,944.5	68.8	31.4	54.9	13.08
7,023.0	46.66	328.53	6,980.0	97.4	13.7	87.7	13.20
7,068.0	52.68	329.61	7,009.1	126.9	-3.9	121.2	13.50
7,116.0	57.73	331.36	7,036.5	161.2	-23.3	160.0	10.94
7,162.0	61.83	333.12	7,059.7	196.3	-41.8	199.3	9.51
7,181.0	63.92	334.19	7,068.3	211.5	-49.3	216.0	12.08
Marcellus							
7,209.0	67.01	335.70	7,080.0	234.6	-60.1	241.3	12.08
7,256.0	72.29	337.39	7,096.3	275.0	-77.6	285.3	11.73
7,303.0	77.33	338.93	7,108.6	317.1	-94.5	330.5	11.18
7,326.0	81.11	339.21	7,112.9	338.2	-102.5	353.1	16.48
7,443.0	89.83	340.58	7,122.1	447.6	-142.6	469.6	7.54
7,506.0	89.97	339.83	7,122.2	506.9	-163.9	532.6	1.21
7,600.0	89.43	338.21	7,122.7	594.6	-197.6	626.5	1.82
7,694.0	92.08	342.68	7,121.5	683.2	-229.0	720.5	5.53
7,789.0	91.07	342.14	7,118.9	773.7	-257.7	815.4	1.21
7,883.0	88.62	340.45	7,119.1	862.7	-287.9	909.4	3.17
7,976.0	89.93	340.50	7,120.3	950.3	-318.9	1,002.4	1.41
8,070.0	89.46	341.93	7,120.8	1,039.3	-349.2	1,096.4	1.60
8,164.0	89.19	340.27	7,121.9	1,128.3	-379.6	1,190.4	1.79
8,258.0	90.67	341.37	7,122.0	1,217.0	-410.5	1,284.4	1.96
8,352.0	90.67	342.64	7,120.9	1,306.4	-439.6	1,378.4	1.35
8,446.0	91.04	342.72	7,119.5	1,396.2	-467.5	1,472.3	0.40

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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
8,541.0	90.44	341.75	7,118.3	1,486.6	-496.5	1,567.3	1.20
8,634.0	88.76	342.05	7,119.0	1,575.0	-525.4	1,660.3	1.84
8,728.0	89.02	340.72	7,120.8	1,664.1	-555.4	1,754.3	1.44
8,822.0	89.97	339.42	7,121.6	1,752.4	-587.5	1,848.2	1.71
8,916.0	89.80	340.35	7,121.8	1,840.7	-619.8	1,942.2	1.01
9,010.0	89.50	341.94	7,122.4	1,929.7	-650.2	2,036.2	1.72
9,104.0	89.36	340.80	7,123.3	2,018.7	-680.2	2,130.2	1.22
9,198.0	90.40	340.66	7,123.5	2,107.5	-711.2	2,224.2	1.12
9,292.0	89.13	341.46	7,123.9	2,196.4	-741.7	2,318.2	1.60
9,386.0	89.56	340.87	7,125.0	2,285.3	-772.1	2,412.2	0.78
9,480.0	89.60	339.70	7,125.7	2,373.8	-803.8	2,506.2	1.25
9,574.0	89.97	340.98	7,126.0	2,462.3	-835.4	2,600.2	1.42
9,668.0	89.26	342.24	7,126.6	2,551.5	-865.1	2,694.2	1.54
9,762.0	89.36	341.40	7,127.8	2,640.8	-894.4	2,788.1	0.90
9,853.0	89.46	341.32	7,128.7	2,727.0	-923.5	2,879.1	0.14
9,944.0	89.13	340.21	7,129.8	2,813.0	-953.4	2,970.1	1.27
10,035.0	89.09	342.22	7,131.2	2,899.1	-982.7	3,061.1	2.21
10,126.0	88.96	342.81	7,132.8	2,985.9	-1,010.1	3,152.1	0.66
10,216.0	90.57	342.86	7,133.2	3,071.9	-1,036.6	3,242.0	1.79
10,307.0	89.36	341.56	7,133.2	3,158.5	-1,064.4	3,333.0	1.95
10,398.0	88.83	342.15	7,134.7	3,245.0	-1,092.8	3,424.0	0.87
10,490.0	88.86	340.74	7,136.5	3,332.2	-1,122.0	3,516.0	1.53
10,581.0	88.82	340.14	7,138.4	3,417.9	-1,152.5	3,606.9	0.66
10,672.0	88.56	338.68	7,140.4	3,503.1	-1,184.5	3,697.9	1.63
10,763.0	91.21	343.30	7,140.6	3,589.1	-1,214.1	3,788.8	5.85
10,854.0	88.42	341.12	7,140.9	3,675.7	-1,241.9	3,879.8	3.89
10,949.0	88.49	339.79	7,143.5	3,765.2	-1,273.7	3,974.8	1.40
11,043.0	89.53	339.59	7,145.1	3,853.3	-1,306.3	4,068.7	1.13
11,137.0	88.02	339.57	7,147.1	3,941.4	-1,339.1	4,162.7	1.61
11,231.0	89.03	339.84	7,149.5	4,029.5	-1,371.7	4,256.6	1.11
11,325.0	89.66	340.41	7,150.6	4,117.9	-1,403.7	4,350.6	0.90
11,419.0	89.13	339.44	7,151.6	4,206.2	-1,435.9	4,444.6	1.18
11,513.0	88.59	339.32	7,153.5	4,294.2	-1,469.0	4,538.5	0.59
11,607.0	89.50	340.70	7,155.0	4,382.5	-1,501.1	4,632.5	1.76
11,701.0	89.33	343.36	7,156.0	4,471.9	-1,530.1	4,726.4	2.84
11,796.0	88.99	341.65	7,157.4	4,562.5	-1,558.7	4,821.4	1.84
11,890.0	89.26	343.78	7,158.8	4,652.2	-1,586.6	4,915.3	2.28
11,984.0	88.99	343.73	7,160.3	4,742.5	-1,612.9	5,009.2	0.29
12,079.0	88.86	342.24	7,162.0	4,833.3	-1,640.7	5,104.1	1.57
12,173.0	88.69	340.89	7,164.0	4,922.4	-1,670.4	5,198.1	1.45
12,266.0	88.46	341.11	7,166.4	5,010.4	-1,700.7	5,291.1	0.34
12,360.0	89.30	339.60	7,168.2	5,098.9	-1,732.3	5,385.1	1.84
12,454.0	88.69	339.31	7,169.8	5,186.9	-1,765.3	5,479.0	0.72
12,548.0	89.36	338.36	7,171.4	5,274.5	-1,799.2	5,572.9	1.24

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12,642.0	90.50	341.48	7,171.6	5,362.8	-1,831.5	5,666.9	3.53
12,737.0	89.97	341.53	7,171.2	5,452.9	-1,861.6	5,761.9	0.56
12,831.0	90.60	342.11	7,170.7	5,542.2	-1,890.9	5,855.9	0.91
12,925.0	89.70	341.32	7,170.5	5,631.4	-1,920.4	5,949.9	1.27
13,019.0	89.66	341.31	7,171.0	5,720.5	-1,950.5	6,043.9	0.04
13,113.0	87.52	339.10	7,173.3	5,808.9	-1,982.4	6,137.8	3.27
13,207.0	89.93	341.87	7,175.4	5,897.5	-2,013.7	6,231.8	3.91
13,301.0	89.36	344.48	7,176.0	5,987.4	-2,041.0	6,325.7	2.84
13,396.0	86.04	342.40	7,179.8	6,078.4	-2,068.0	6,420.5	4.12
13,489.0	86.03	340.77	7,186.2	6,166.4	-2,097.3	6,513.3	1.75
13,583.0	86.72	338.61	7,192.2	6,254.4	-2,129.9	6,607.1	2.41
13,678.0	86.65	337.58	7,197.6	6,342.4	-2,165.2	6,701.8	1.08
13,777.0	86.64	337.58	7,203.4	6,433.7	-2,202.9	6,800.4	0.01
13,866.0	87.95	340.73	7,207.6	6,516.8	-2,234.6	6,889.3	3.83
13,960.0	87.42	341.58	7,211.4	6,605.7	-2,264.9	6,983.2	1.07
14,054.0	88.02	342.12	7,215.2	6,694.9	-2,294.2	7,077.1	0.86
14,147.0	89.36	342.95	7,217.3	6,783.6	-2,322.1	7,170.1	1.69
14,241.0	88.22	341.70	7,219.3	6,873.2	-2,350.6	7,264.0	1.80
14,335.0	90.00	342.22	7,220.7	6,962.5	-2,379.7	7,358.0	1.97
14,429.0	87.78	338.73	7,222.6	7,051.1	-2,411.1	7,451.9	4.40
14,523.0	88.82	340.16	7,225.4	7,139.1	-2,444.1	7,545.9	1.88
14,617.0	88.76	340.22	7,227.3	7,227.5	-2,475.9	7,639.8	0.09
14,712.0	89.43	341.37	7,228.8	7,317.2	-2,507.2	7,734.8	1.40
14,806.0	89.63	341.66	7,229.6	7,406.3	-2,537.0	7,828.8	0.37
14,900.0	88.49	340.88	7,231.2	7,495.3	-2,567.2	7,922.8	1.47
14,994.0	90.44	342.22	7,232.0	7,584.5	-2,596.9	8,016.8	2.52
15,088.0	90.00	341.31	7,231.7	7,673.8	-2,626.3	8,110.8	1.08
15,182.0	90.57	340.71	7,231.2	7,762.7	-2,656.9	8,204.8	0.88
15,276.0	90.90	343.93	7,230.0	7,852.2	-2,685.5	8,298.7	3.44
15,370.0	89.60	342.80	7,229.6	7,942.3	-2,712.4	8,392.6	1.83
15,464.0	88.73	340.01	7,231.0	8,031.3	-2,742.3	8,486.6	3.11
15,558.0	89.25	339.89	7,232.6	8,119.6	-2,774.6	8,580.6	0.57
15,652.0	88.99	338.49	7,234.1	8,207.5	-2,807.9	8,674.5	1.51
15,746.0	88.49	340.51	7,236.1	8,295.5	-2,840.9	8,768.5	2.21
15,840.0	89.06	340.89	7,238.1	8,384.2	-2,871.9	8,862.4	0.73
15,934.0	89.26	341.62	7,239.5	8,473.2	-2,902.1	8,956.4	0.81
16,028.0	89.03	341.02	7,240.9	8,562.2	-2,932.2	9,050.4	0.68
16,122.0	89.23	341.33	7,242.3	8,651.2	-2,962.6	9,144.4	0.39
16,216.0	89.29	341.80	7,243.6	8,740.4	-2,992.3	9,238.4	0.50
16,320.0	89.46	341.80	7,244.7	8,839.2	-3,024.8	9,342.4	0.16
16,372.0	89.20	341.40	7,245.3	8,888.5	-3,041.2	9,394.4	0.92

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Myers Unit 1H
Project:	Harrison County West Virginia	**TVD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Site:	Winnie/Dawson/Tenmile Pad	**MD Reference:**	Myers Unit 1H GL 1278' + 25' RKB @ 1303.0usft
Well:	Myers Unit 1H	**North Reference:**	Grid
Wellbore:	Original Wellpath	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Oklahoma District

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
6,689.0	6,686.5	-29.1	86.0	Middlesex
6,868.0	6,856.3	19.0	62.1	Burkett
6,901.0	6,885.1	32.8	53.7	Tully
7,181.0	7,068.3	211.5	-49.3	Marcellus

Checked By: _____ Approved By: _____ Date: _____

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	2/27/2014
Job End Date:	3/13/2014
State:	West Virginia
County:	Harrison
API Number:	47-033-05700-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Myers Unit 1H
Longitude:	-80.48965000
Latitude:	39.20150000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,245
Total Base Water Volume (gal):	11,015,130
Total Base Non Water Volume:	0

FracFocus Chemical Disclosure Registry

GROUNDWATER PROTECTION COUNCIL

Interstate Oil & Gas Compact Commission

33.05700

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	90.90634	
Sand, White, 40/70	Baker Hughes	Proppant					
			Crystalline Silica (Quartz)	14808-60-7	100.00000	5.10748	
Sand, White, 20/40	Baker Hughes	Proppant					
			Crystalline Silica (Quartz)	14808-60-7	100.00000	2.88192	
Sand, White, 100 mesh	Baker Hughes	Proppant					
			Crystalline Silica (Quartz)	14808-60-7	100.00000	0.62562	
HCl, 10.1 - 15%	Baker Hughes	Acidizing					
			Water	7732-18-5	85.00000	0.18097	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.03194	SmartCare Product
GW-3LDF	Baker Hughes	Gelling Agent					
			Guar Gum	9000-30-0	60.00000	0.05498	SmartCare Product
			Petroleum Distillates	64742-47-8	30.00000	0.02749	SmartCare Product
			Paraffinic Petroleum Distillate	64742-55-8	30.00000	0.02749	SmartCare Product
			1-butoxy-2-propanol	5131-66-8	5.00000	0.00458	SmartCare Product
			Crystalline Silica: Quartz	14808-60-7	5.00000	0.00458	SmartCare Product
			Isotridecanol, ethoxylated	9043-30-5	5.00000	0.00458	SmartCare Product
FRW-18	Baker Hughes	Friction Reducer					

			Petroleum Distillates	64742-47-8	30.00000	0.01915	SmartCare Product
Enzyme G-NE	Baker Hughes	Breaker					
			No hazardous ingredients	NA	100.00000	0.01368	SmartCare Product
Alpha 1427	Baker Hughes	Biocide					
			Glutaraldehyde	111-30-8	30.00000	0.00374	SmartCare Product
			Didecyl Dimethyl Ammonium Chloride	7173-51-5	10.00000	0.00125	SmartCare Product
			Quaternary Ammonium Compound	68424-85-1	5.00000	0.00062	SmartCare Product
			Ethanol	64-17-5	5.00000	0.00062	SmartCare Product
Scaletrol 720	Baker Hughes	Scale Inhibitor					
			Ethylene Glycol	107-21-1	30.00000	0.00448	SmartCare Product
			Calcium Chloride	10043-52-4	5.00000	0.00075	SmartCare Product
Calcium Chloride	Baker Hughes	Salts					
			Calcium Chloride	10043-52-4	100.00000	0.00475	
			Sodium Chloride	7447-40-7	5.00000	0.00024	
			Potassium Chloride	7447-40-7	5.00000	0.00024	
Ferrotrol 300L	Baker Hughes	Iron Control					
			Citric Acid	77-92-9	60.00000	0.00085	SmartCare Product
CI-14	Baker Hughes	Corrosion Inhibitor					
			Methanol	67-56-1	100.00000	0.00033	SmartCare Product
			Polyoxyalkylenes	Trade Secret	30.00000	0.00010	SmartCare Product
			Fatty Acids	Trade Secret	10.00000	0.00003	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		0.06056	
			Poly (acrylamide-co-acrylic acid)	Trade Secret		0.01915	
			Sorbitan Monooleate	Trade Secret		0.00319	
			Salt	Trade Secret		0.00319	
			Polyacrylate	Trade Secret		0.00299	
			Ethoxylated Alcohol	Trade Secret		0.00128	
			Hemicellulase Enzyme Concentrate	9025-56-3		0.00068	
			2-butoxy-1-propanol	15821-83-7		0.00009	
			Modified Thiorea Polymer	68527-49-1		0.00002	
			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	

33-05700

* 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%

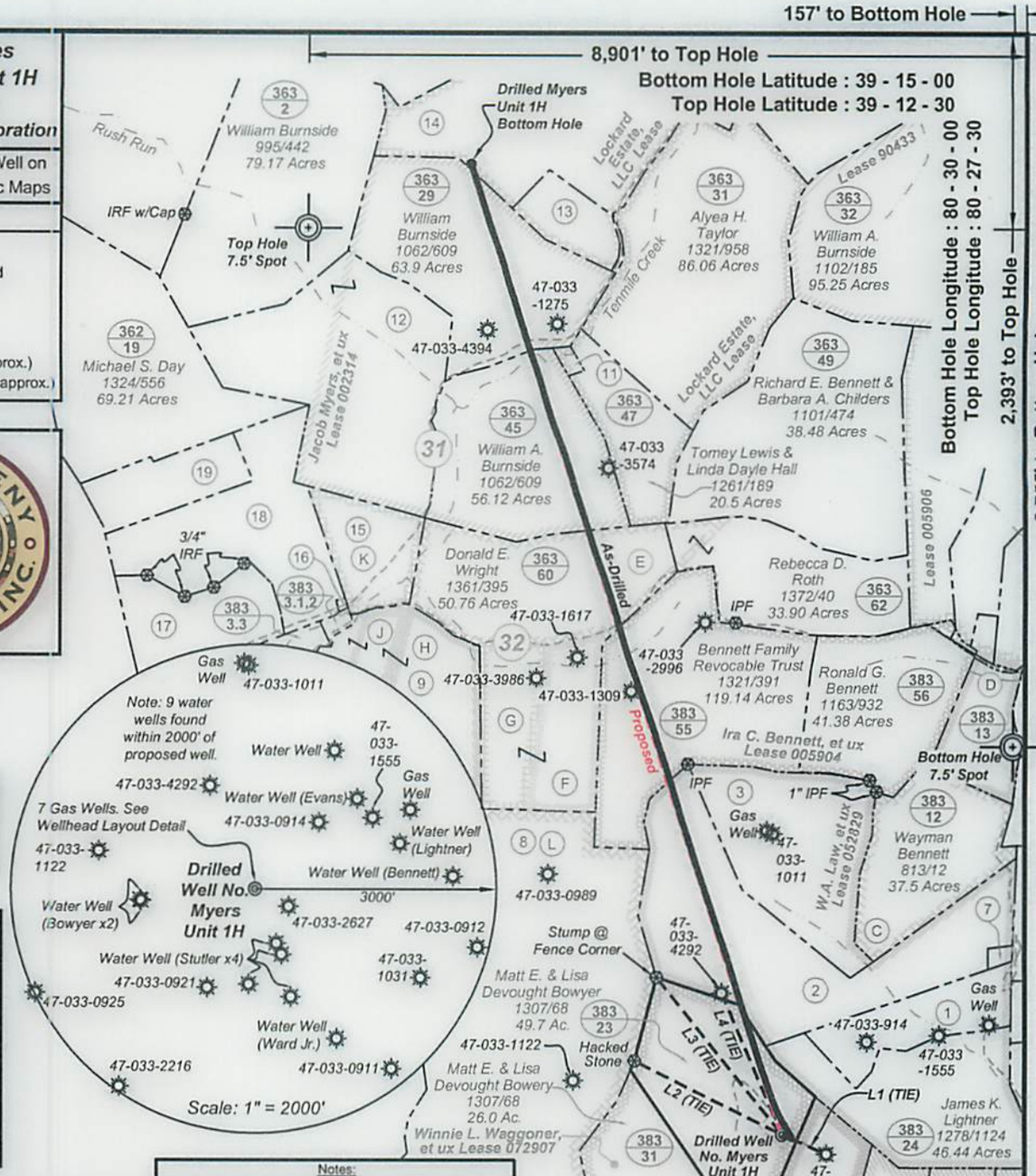
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Antero Resources
Well No. Myers Unit 1H
As-Drilled Plat
Antero Resources Corporation

(⊕) Denotes Location of Well on United States Topographic Maps

Legend

- Proposed gas well
- Found corner, as noted
- (32) County Route
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)



	Bearing	Distance
L1	N 66°03' W	444.6'
L2	S 63°18' E	1524.9'
L3	S 38°41' E	1856.2'
L4	S 23°18' E	1419.5'

Lease Chart

	Lessor	Lease
A	Opal Courtney, et al	072697
B	Waldo B. & Mary E. Brown	---
C	Simon S. Stutler	---
D	Samuel G. & Ida Stutler	DV011642
E	James I. Coffindaffer, et al	005778
F	Ira C. Bennett, et ux	077902
G	Robert L. Bennett, et al	---
H	William J Sigler, et al	---
J	Maxine J. Badowski, et al	---
K	Raymond E. Garrett	---
L	David L. Hall	002394

	Par	Tax Map 383 Parcels Owner	Bk / Pg	Acres
1	24.1	Carl & Kristina L. Evans	1364 / 987	20.39
2	10	Benny Noel Bennett, Jr.	131 / 1199	77.64
3	11	Benny Noel Bennett, Jr.	131 / 1199	45.699
4	32	David W. & Blanche Key Stutler	1339 / 72	22.218
5	34	David W. & Blanche Key Stutler	1339 / 72	17.25
6	35	Consolidation Coal Co.	---	19.75
7	10.1	Ronald R. Lynch	1072 / 59	0.94
8	22	Freddie R. Daugherty	1290 / 1103	252.86
9	6	Donna L. & Nolan R. Jarvis	1304 / 494	66.8
		Tax Map 363 Parcels		
11	46	Tomey Lewis & Linda Dayle Hall	1261 / 189	1
12	43	William Burnside	1062 / 609	80.5
13	30	Bernard Elden Davis	99 / 172	10.92
14	3	Bernard E. Davis	1216 / 614	91.27
15	42	Lynn Edward Coffindaffer & Shelia M. Coffinaffer Haddix (Par2)	1212 / 682	18.6
16	58	Lynn Edward Coffindaffer & Shelia M. Coffinaffer Haddix	1212 / 682	0.34
17	53	James Martin & Norma Jean Williams	814 / 187	22.2
18	41	Michael S. Day	1324 / 556	43.58
19	40	Michael S. Day	1324 / 556	19.51

Notes:

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.

Well No. Myers Unit 1H Top Hole coordinates are
N: 257,045.28' Latitude: 39°12'05.40"
E: 1,719,541.60' Longitude: 80°29'22.74"
Bottom Hole coordinates are
N: 265,986.32' Latitude: 39°13'33.45"
E: 1,716,647.94' Longitude: 80°30'00.76"
UTM Zone 17, NAD 1983

Top Hole Coordinates	Bottom Hole Coordinates
N: 4,339,271.756m	N: 4,341,980.983m
E: 544,082.412m	E: 543,155.457m

Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Top Hole coordinates verified by survey grade GPS. As-drilled data and information was provided by Antero Resources Corporation. Allegheny Surveys, Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

FILE NO: 103-36-U-11
DRAWING NO: 103-11 Myers 1H As-Drilled
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, BRIDGEPORT, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: July 27 2015
OPERATOR'S WELL NO. Myers Unit 1H

API WELL NO
47 - 033 - 05700
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION : ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: Original Grade 1288' Existing Grade 1278' WATERSHED: Middle West Fork River QUADRANGLE: West Milford & Big Issac

DISTRICT: Union COUNTY: Harrison

SURFACE OWNER: Matt E. & Lisa Devought Bowyer; Winnie L. Waggoner, et ux; W. A. Law, et ux; Jacob Myers, et ux; ACREAGE: 49.7

ROYALTY OWNER: Lockard Estate, LLC; Ira C. Bennett, et ux; James I. Coffindaffer, et al LEASE NO: 002314; 072907; 052829; 005904; 005778 ACREAGE: 111.3; 200; 120; 54.12; 177; 91.62

PROPOSED WORK: ☐ DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: 7,245' TVD 16,372' MD

WELL OPERATOR: Antero Resources Corporation
ADDRESS: 1615 Wynkoop Street, Denver, CO 80202

DESIGNATED AGENT: Dianna Stamper - CT Corporation System
ADDRESS: 5400 D Big Tyler Road, Charleston, WV 25313

10/23/2015