Ford Unit 2H
Harrison County West Virginia
Northing: 14254497.48
Easting: 1764882.44
As Drilled

Antero Resources

Scientific Drilling

To convert Magnetic North to Grid, Subtract 8.89°
To convert True North to Grid, Subtract 0.28°

Azimuths to Grid North
True North: -0.28°
Magnetic North: -8.89°

Magnetic Field
Strength: 52234.2snT
Dip Angle: 66.83°
Date: 4/11/2014
Model: BGGM2014

WELL DETAILS Ford Unit 2H
Ground Level: 1374.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14254497.48	1764882.44	39° 15' 12.197 N	80° 33' 37.165 W

Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
1374.0

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

Genie Lightfoot
13:56, July 29 2014

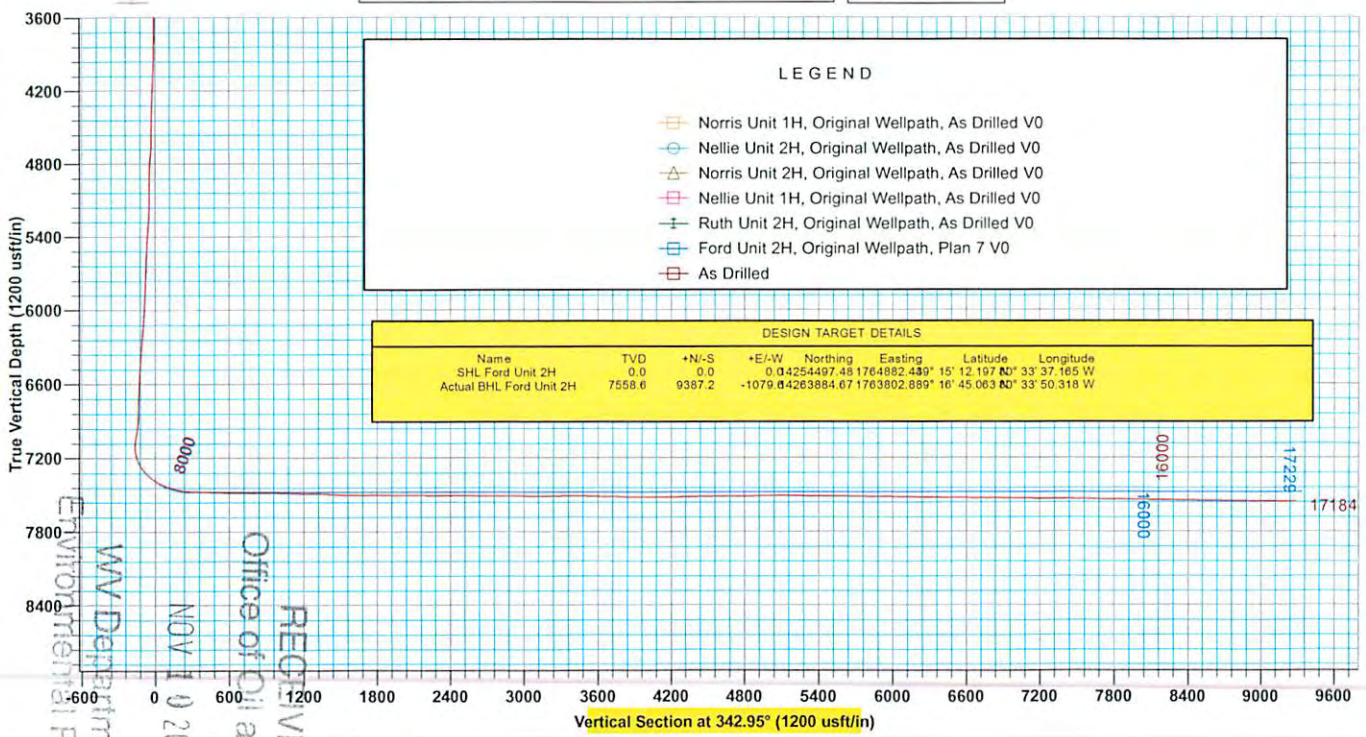
Scientific Drilling
421 South Eagle Lane
Oklahoma City, OK 73128

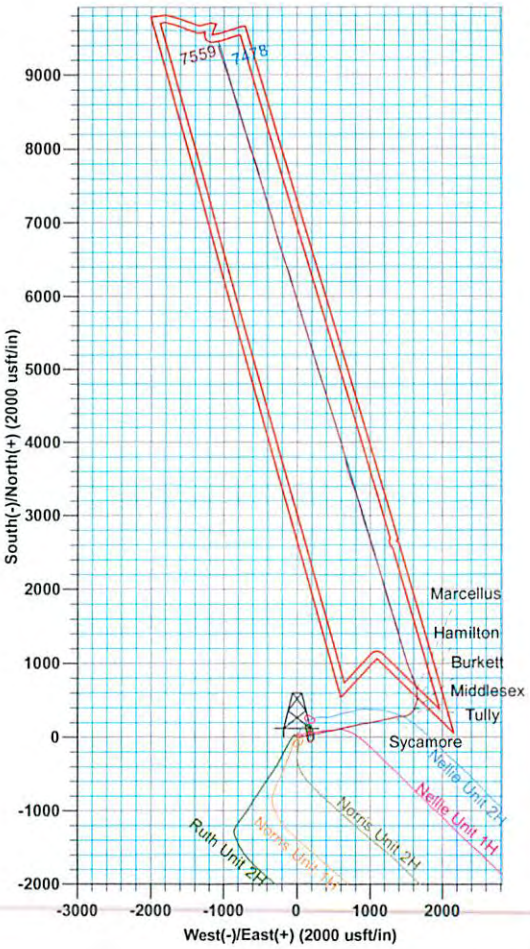
SITE DETAILS: Ruth/Norris/Nellie/Ford Pad

Site Center: Ruth Unit 2H

Site Centre Northing: 14254530.66
Easting: 1764845.07

Positional Uncertainity: 2.0
Convergence: 0.28
Local North: Grid





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Environmental Protection

11/28/2014

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33-05694

Antero Resources

Harrison County West Virginia
Ruth/Norris/Nellie/Ford Pad
Ford Unit 2H
Original Wellpath

Design: As Drilled

EOW Completion Report

27 October, 2014

Scientific Drilling

33-05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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 Ruth/Norris/Nellie/Ford Pad

Site Position:		**Northing:**	14,254,530.66 usft	**Latitude:**	39° 15' 12.526 N
From:	Map	**Easting:**	1,764,845.07 usft	**Longitude:**	80° 33' 37.638 W
Position Uncertainty:	2.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.28 °

Well Ford Unit 2H, Marcellus

Well Position	**+N/-S**	0.0 usft	**Northing:**	14,254,497.48 usft	**Latitude:**	39° 15' 12.197 N
	+E/-W	0.0 usft	**Easting:**	1,764,882.44 usft	**Longitude:**	80° 33' 37.165 W
Position Uncertainty		2.0 usft	**Wellhead Elevation:**	1,398.0 usft	**Ground Level:**	1,374.0 usft

Wellbore Original Wellpath

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	4/11/2014	-8.62	66.83	52,234

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	342.95

Survey Program **Date** 7/31/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	1,110.1	Survey #2 Def Gyro (Original Wellpath)	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper
1,110.8	2,548.2	Survey #4 Def Gyro to Int (Original Wellpa	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper
2,573.2	3,490.4	Survey #6 Def Gyro to KOP (Original Well	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper
3,500.1	7,070.3	Survey #8 EOTang to Curve KOP (Origina	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper
7,192.0	17,184.0	Survey #9 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
100.0	0.04	61.40	100.0	0.0	0.0	0.0	0.04
200.0	0.05	22.79	200.0	0.1	0.1	0.0	0.03
300.0	0.11	56.05	300.0	0.2	0.2	0.1	0.07
400.0	0.05	172.63	400.0	0.2	0.3	0.1	0.14
500.0	0.08	130.08	500.0	0.1	0.3	0.0	0.05
600.0	0.05	198.23	600.0	0.0	0.4	-0.1	0.08
700.0	0.10	135.94	700.0	-0.1	0.4	-0.2	0.09

33-05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
800.0	0.13	151.38	800.0	-0.3	0.5	-0.4	0.04
900.0	0.13	199.68	900.0	-0.5	0.5	-0.6	0.11
1,000.0	0.06	272.20	1,000.0	-0.6	0.4	-0.7	0.13
1,100.0	0.04	201.74	1,100.0	-0.6	0.4	-0.7	0.06
1,110.1	0.05	216.89	1,110.1	-0.6	0.4	-0.7	0.15
1,110.8	0.05	216.89	1,110.8	-0.6	0.4	-0.7	0.00
1,135.8	0.05	167.18	1,135.8	-0.6	0.4	-0.7	0.17
1,160.8	0.07	233.26	1,160.8	-0.7	0.4	-0.7	0.27
1,185.8	0.09	219.37	1,185.8	-0.7	0.3	-0.7	0.11
1,210.8	0.06	200.44	1,210.8	-0.7	0.3	-0.8	0.15
1,235.8	0.32	77.84	1,235.8	-0.7	0.4	-0.8	1.42
1,260.8	1.08	68.35	1,260.8	-0.6	0.7	-0.8	3.06
1,285.8	1.91	66.75	1,285.8	-0.3	1.3	-0.7	3.32
1,310.8	2.50	67.96	1,310.8	0.0	2.2	-0.6	2.37
1,335.8	2.85	69.29	1,335.7	0.4	3.2	-0.5	1.42
1,360.8	2.96	70.44	1,360.7	0.9	4.4	-0.5	0.50
1,385.8	3.02	69.90	1,385.7	1.3	5.7	-0.4	0.27
1,410.8	3.06	69.61	1,410.6	1.8	6.9	-0.3	0.17
1,435.8	3.13	70.91	1,435.6	2.2	8.2	-0.3	0.40
1,460.8	3.21	71.75	1,460.6	2.7	9.5	-0.2	0.37
1,485.8	3.26	74.05	1,485.5	3.1	10.8	-0.2	0.56
1,510.8	3.38	78.21	1,510.5	3.4	12.2	-0.3	1.08
1,535.8	3.38	80.29	1,535.4	3.7	13.7	-0.5	0.49
1,560.8	3.27	80.62	1,560.4	4.0	15.1	-0.7	0.45
1,585.8	3.21	81.64	1,585.4	4.2	16.5	-0.9	0.33
1,610.8	2.94	81.99	1,610.3	4.4	17.8	-1.1	1.08
1,635.8	2.63	82.27	1,635.3	4.5	19.0	-1.3	1.24
1,660.8	2.49	82.65	1,660.3	4.7	20.2	-1.4	0.56
1,685.8	2.22	83.80	1,685.2	4.8	21.2	-1.6	1.10
1,710.8	2.00	84.49	1,710.2	4.9	22.1	-1.8	0.89
1,735.8	1.82	84.38	1,735.2	5.0	22.9	-2.0	0.72
1,760.8	1.61	86.24	1,760.2	5.0	23.7	-2.1	0.87
1,785.8	1.51	87.45	1,785.2	5.1	24.3	-2.3	0.42
1,810.8	1.33	87.19	1,810.2	5.1	25.0	-2.4	0.72
1,835.8	1.17	89.07	1,835.2	5.1	25.5	-2.6	0.66
1,860.8	1.05	89.39	1,860.2	5.1	26.0	-2.7	0.48
1,885.8	0.93	88.94	1,885.2	5.1	26.4	-2.8	0.48
1,910.8	0.77	92.00	1,910.2	5.1	26.8	-2.9	0.67
1,935.8	0.71	92.16	1,935.2	5.1	27.1	-3.1	0.24
1,960.8	0.58	93.05	1,960.2	5.1	27.4	-3.1	0.52
1,985.8	0.50	95.59	1,985.2	5.1	27.6	-3.2	0.33
2,010.8	0.48	96.15	2,010.2	5.1	27.8	-3.3	0.08
2,035.8	0.41	105.42	2,035.2	5.0	28.0	-3.4	0.40
2,060.8	0.44	111.18	2,060.2	5.0	28.2	-3.5	0.21

11/28/2014

33-05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
2,085.8	0.46	105.96	2,085.2	4.9	28.4	-3.6	0.18
2,110.8	0.49	105.15	2,110.2	4.9	28.6	-3.7	0.12
2,135.8	0.47	106.71	2,135.2	4.8	28.8	-3.9	0.10
2,160.8	0.42	105.66	2,160.2	4.7	29.0	-4.0	0.20
2,185.8	0.37	110.90	2,185.2	4.7	29.1	-4.1	0.25
2,210.8	0.32	113.69	2,210.2	4.6	29.3	-4.2	0.21
2,235.8	0.31	108.38	2,235.2	4.6	29.4	-4.2	0.12
2,260.8	0.27	106.47	2,260.2	4.5	29.5	-4.3	0.16
2,285.8	0.23	112.63	2,285.2	4.5	29.6	-4.4	0.19
2,310.8	0.18	119.79	2,310.2	4.5	29.7	-4.4	0.22
2,335.8	0.22	115.03	2,335.2	4.4	29.8	-4.5	0.17
2,360.8	0.20	124.41	2,360.2	4.4	29.9	-4.6	0.16
2,385.8	0.12	139.17	2,385.2	4.3	29.9	-4.6	0.36
2,410.8	0.11	142.83	2,410.2	4.3	30.0	-4.7	0.05
2,435.8	0.13	156.15	2,435.2	4.3	30.0	-4.7	0.14
2,460.8	0.19	150.98	2,460.2	4.2	30.0	-4.8	0.25
2,485.8	0.24	137.73	2,485.2	4.1	30.1	-4.9	0.28
2,510.8	0.28	130.37	2,510.2	4.0	30.2	-5.0	0.21
2,535.8	0.28	118.83	2,535.2	4.0	30.3	-5.1	0.23
2,548.2	0.29	111.55	2,547.6	4.0	30.3	-5.1	0.30
2,573.2	0.27	125.29	2,572.6	3.9	30.4	-5.2	0.28
2,598.2	0.23	122.73	2,597.6	3.8	30.5	-5.3	0.17
2,623.2	0.30	123.07	2,622.6	3.8	30.6	-5.4	0.28
2,648.2	0.30	125.73	2,647.6	3.7	30.7	-5.5	0.06
2,673.2	0.27	113.72	2,672.6	3.6	30.8	-5.6	0.27
2,698.2	0.31	116.66	2,697.6	3.6	30.9	-5.6	0.17
2,723.2	0.32	118.88	2,722.6	3.5	31.1	-5.7	0.06
2,748.2	0.35	100.25	2,747.6	3.5	31.2	-5.8	0.45
2,773.2	0.30	113.64	2,772.6	3.4	31.3	-5.9	0.36
2,798.2	0.30	110.25	2,797.6	3.4	31.5	-6.0	0.07
2,823.2	0.37	115.16	2,822.6	3.3	31.6	-6.1	0.30
2,848.2	0.37	116.90	2,847.6	3.3	31.7	-6.2	0.04
2,873.2	0.48	128.65	2,872.6	3.1	31.9	-6.3	0.56
2,898.2	0.58	130.29	2,897.6	3.0	32.1	-6.5	0.40
2,923.2	0.67	119.92	2,922.5	2.8	32.3	-6.7	0.58
2,948.2	0.64	114.18	2,947.5	2.7	32.5	-6.9	0.29
2,973.2	0.51	124.05	2,972.5	2.6	32.8	-7.1	0.65
2,998.2	0.50	113.93	2,997.5	2.5	33.0	-7.3	0.36
3,023.2	0.39	119.20	3,022.5	2.4	33.1	-7.4	0.47
3,048.2	0.37	123.15	3,047.5	2.3	33.3	-7.5	0.13
3,073.2	0.43	125.61	3,072.5	2.2	33.4	-7.7	0.25
3,098.2	0.38	152.69	3,097.5	2.1	33.5	-7.8	0.78
3,123.2	0.42	126.50	3,122.5	2.0	33.6	-8.0	0.74
3,148.2	0.44	135.51	3,147.5	1.8	33.8	-8.1	0.28

33-05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
3,173.2	0.44	141.90	3,172.5	1.7	33.9	-8.3	0.20
3,198.2	0.44	139.10	3,197.5	1.5	34.0	-8.5	0.09
3,223.2	0.48	142.69	3,222.5	1.4	34.2	-8.7	0.20
3,248.2	0.46	137.93	3,247.5	1.2	34.3	-8.9	0.18
3,273.2	0.37	132.40	3,272.5	1.1	34.4	-9.0	0.39
3,298.2	0.35	127.62	3,297.5	1.0	34.5	-9.2	0.14
3,323.2	0.39	121.60	3,322.5	0.9	34.7	-9.3	0.22
3,348.2	0.33	119.56	3,347.5	0.8	34.8	-9.4	0.25
3,373.2	0.38	117.14	3,372.5	0.8	34.9	-9.5	0.21
3,398.2	0.44	168.79	3,397.5	0.6	35.0	-9.7	1.45
3,423.2	0.35	138.30	3,422.5	0.5	35.1	-9.8	0.90
3,448.2	0.33	120.70	3,447.5	0.4	35.2	-10.0	0.42
3,473.2	0.29	126.64	3,472.5	0.3	35.3	-10.1	0.21
3,490.4	0.40	123.11	3,489.7	0.3	35.4	-10.1	0.65
3,500.1	0.45	117.70	3,499.4	0.2	35.5	-10.2	0.66
3,525.2	0.37	121.27	3,524.5	0.1	35.6	-10.3	0.33
3,550.8	0.42	117.73	3,550.1	0.0	35.8	-10.5	0.22
3,575.0	0.46	107.12	3,574.3	0.0	36.0	-10.6	0.37
3,600.2	0.63	93.61	3,599.5	-0.1	36.2	-10.7	0.84
3,625.6	1.29	92.91	3,625.0	-0.1	36.6	-10.8	2.59
3,651.4	1.91	81.52	3,650.7	0.0	37.3	-11.0	2.70
3,675.1	2.38	73.91	3,674.4	0.2	38.2	-11.1	2.31
3,700.6	2.74	72.88	3,699.9	0.5	39.3	-11.1	1.42
3,726.3	3.23	74.66	3,725.6	0.9	40.6	-11.1	1.94
3,750.7	4.09	71.85	3,749.8	1.3	42.1	-11.1	3.61
3,775.4	4.17	71.15	3,774.6	1.9	43.7	-11.0	0.38
3,800.4	4.62	70.02	3,799.5	2.5	45.6	-11.0	1.83
3,826.6	5.05	69.75	3,825.6	3.3	47.6	-10.8	1.64
3,851.1	5.53	73.07	3,849.9	4.0	49.8	-10.8	2.33
3,876.0	6.27	76.17	3,874.7	4.7	52.2	-10.9	3.23
3,901.5	6.65	76.34	3,900.1	5.3	55.0	-11.0	1.49
3,926.2	7.40	79.27	3,924.6	6.0	58.0	-11.3	3.37
3,950.9	8.13	81.24	3,949.0	6.5	61.3	-11.7	3.14
3,976.1	8.83	82.43	3,974.0	7.1	64.9	-12.3	2.86
4,001.1	9.67	83.67	3,998.6	7.5	68.9	-13.0	3.46
4,025.3	10.12	83.35	4,022.5	8.0	73.1	-13.8	1.87
4,051.0	10.76	83.68	4,047.8	8.5	77.7	-14.6	2.50
4,075.7	11.25	84.12	4,072.0	9.0	82.4	-15.5	2.01
4,101.0	11.59	84.44	4,096.8	9.5	87.4	-16.5	1.37
4,125.9	11.81	84.66	4,121.2	10.0	92.4	-17.5	0.90
4,151.0	12.24	83.59	4,145.8	10.6	97.6	-18.5	1.93
4,175.5	12.43	83.72	4,169.7	11.1	102.8	-19.5	0.78
4,200.3	12.81	82.36	4,193.9	11.8	108.2	-20.4	1.94
4,226.0	13.11	80.60	4,218.9	12.6	113.9	-21.3	1.93

33-05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
4,250.1	13.73	77.60	4,242.4	13.7	119.4	-21.9	3.86
4,275.4	14.38	76.47	4,266.9	15.1	125.3	-22.3	2.80
4,300.6	14.63	76.54	4,291.3	16.6	131.5	-22.7	0.99
4,325.3	15.04	77.86	4,315.1	18.0	137.6	-23.2	2.15
4,351.0	15.36	79.64	4,340.0	19.3	144.3	-23.9	2.20
4,375.4	15.47	80.11	4,363.5	20.4	150.7	-24.7	0.68
4,400.1	15.53	80.15	4,387.3	21.5	157.1	-25.5	0.25
4,425.7	15.70	79.68	4,411.9	22.7	163.9	-26.3	0.83
4,450.1	15.80	79.55	4,435.4	23.9	170.4	-27.1	0.43
4,475.3	15.86	79.28	4,459.7	25.2	177.2	-27.9	0.38
4,500.9	15.87	78.32	4,484.3	26.6	184.1	-28.6	1.03
4,525.7	15.70	75.90	4,508.2	28.1	190.6	-29.1	2.74
4,550.6	15.64	73.94	4,532.1	29.8	197.1	-29.3	2.14
4,575.0	15.56	73.47	4,555.7	31.7	203.4	-29.4	0.61
4,600.4	15.61	73.58	4,580.1	33.6	210.0	-29.4	0.23
4,625.6	15.65	73.97	4,604.4	35.5	216.5	-29.5	0.45
4,650.2	15.65	76.43	4,628.1	37.2	222.9	-29.8	2.70
4,675.6	15.57	79.41	4,652.5	38.6	229.6	-30.4	3.18
4,700.2	15.44	83.19	4,676.2	39.6	236.1	-31.3	4.14
4,726.0	15.36	87.55	4,701.1	40.2	242.9	-32.8	4.49
4,750.6	15.16	91.77	4,724.9	40.2	249.4	-34.7	4.58
4,775.4	15.33	92.31	4,748.8	40.0	255.9	-36.8	0.89
4,800.1	15.36	90.33	4,772.6	39.8	262.4	-38.9	2.12
4,825.0	15.41	86.89	4,796.6	40.0	269.0	-40.7	3.67
4,850.2	15.60	84.51	4,820.9	40.5	275.8	-42.1	2.63
4,875.4	15.71	82.26	4,845.1	41.3	282.5	-43.4	2.46
4,900.5	16.12	80.36	4,869.3	42.3	289.3	-44.4	2.64
4,925.5	16.64	78.32	4,893.3	43.6	296.2	-45.2	3.10
4,950.7	17.13	76.58	4,917.4	45.2	303.4	-45.7	2.80
4,975.1	17.64	74.96	4,940.7	47.0	310.4	-46.1	2.88
5,000.4	18.24	72.54	4,964.8	49.2	317.9	-46.2	3.78
5,025.5	18.95	70.77	4,988.5	51.7	325.5	-46.0	3.62
5,050.8	19.22	70.09	5,012.4	54.5	333.3	-45.6	1.38
5,076.1	19.50	71.17	5,036.3	57.3	341.2	-45.3	1.80
5,100.1	19.56	72.24	5,059.0	59.8	348.9	-45.1	1.51
5,125.4	19.95	74.68	5,082.7	62.2	357.0	-45.2	3.61
5,151.0	20.17	75.17	5,106.8	64.5	365.5	-45.5	1.08
5,175.5	20.41	76.16	5,129.8	66.6	373.7	-45.9	1.71
5,200.8	20.72	76.35	5,153.4	68.7	382.4	-46.4	1.25
5,225.8	21.20	76.60	5,176.8	70.8	391.1	-47.0	1.95
5,250.3	21.96	77.48	5,199.6	72.8	399.9	-47.6	3.37
5,275.3	22.80	79.15	5,222.7	74.7	409.2	-48.5	4.22
5,301.0	23.68	80.50	5,246.3	76.5	419.2	-49.7	4.00
5,326.1	24.93	81.35	5,269.2	78.2	429.4	-51.2	5.17
5,351.2	26.21	81.59	5,291.9	79.8	440.1	-52.8	5.11

33.05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
5,375.6	27.87	80.89	5,313.6	81.5	451.0	-54.4	6.93
5,400.4	29.57	80.64	5,335.3	83.4	462.8	-56.0	6.87
5,425.7	30.79	80.29	5,357.2	85.5	475.3	-57.6	4.88
5,450.8	31.44	79.50	5,378.7	87.8	488.1	-59.2	3.06
5,475.2	31.05	79.32	5,399.5	90.1	500.6	-60.6	1.64
5,501.2	30.33	79.02	5,421.9	92.6	513.6	-62.1	2.83
5,525.8	30.10	77.82	5,443.1	95.1	525.7	-63.3	2.63
5,550.4	30.09	77.01	5,464.4	97.7	537.7	-64.2	1.65
5,576.0	29.76	76.46	5,486.7	100.7	550.2	-65.1	1.67
5,600.7	29.34	76.43	5,508.1	103.5	562.0	-65.8	1.71
5,625.4	29.30	76.54	5,529.6	106.4	573.8	-66.5	0.27
5,651.1	28.74	76.54	5,552.1	109.3	585.9	-67.3	2.17
5,675.9	27.98	76.60	5,573.9	112.0	597.3	-68.1	3.07
5,700.5	27.59	76.68	5,595.7	114.6	608.5	-68.8	1.59
5,726.3	27.76	76.66	5,618.6	117.4	620.2	-69.6	0.66
5,750.6	28.50	76.77	5,640.0	120.0	631.3	-70.3	3.05
5,775.7	28.92	76.79	5,662.0	122.8	643.1	-71.1	1.68
5,800.5	29.04	76.87	5,683.7	125.5	654.8	-72.0	0.51
5,825.4	29.44	76.70	5,705.4	128.3	666.6	-72.8	1.64
5,850.4	30.42	77.22	5,727.1	131.1	678.8	-73.6	4.05
5,875.8	30.71	77.19	5,749.0	134.0	691.4	-74.6	1.14
5,900.8	30.30	76.53	5,770.5	136.9	703.7	-75.5	2.12
5,926.1	30.07	76.30	5,792.4	139.9	716.1	-76.2	1.02
5,951.0	30.20	76.37	5,813.9	142.8	728.2	-77.0	0.54
5,975.6	30.01	76.55	5,835.2	145.7	740.2	-77.7	0.85
6,000.4	30.04	76.84	5,856.7	148.6	752.3	-78.5	0.60
6,025.7	30.44	77.16	5,878.5	151.4	764.7	-79.4	1.70
6,050.4	30.39	77.40	5,899.8	154.2	776.9	-80.4	0.53
6,075.4	29.45	77.59	5,921.4	156.9	789.1	-81.4	3.79
6,100.6	28.57	77.28	5,943.5	159.5	801.0	-82.3	3.54
6,125.4	28.80	77.79	5,965.3	162.1	812.6	-83.3	1.35
6,150.1	28.58	79.04	5,986.9	164.5	824.2	-84.4	2.59
6,176.1	28.15	80.03	6,009.8	166.7	836.4	-85.8	2.45
6,200.6	27.91	80.26	6,031.4	168.7	847.7	-87.3	1.07
6,225.2	27.64	79.15	6,053.2	170.8	859.0	-88.6	2.37
6,250.7	27.16	78.68	6,075.9	173.0	870.5	-89.8	2.07
6,275.9	26.85	79.85	6,098.3	175.1	881.8	-91.1	2.44
6,300.1	27.19	80.27	6,119.8	177.0	892.6	-92.5	1.62
6,326.0	27.66	81.21	6,142.9	179.0	904.4	-94.1	2.46
6,350.9	28.15	82.14	6,164.9	180.6	915.9	-95.8	2.63
6,375.2	28.46	82.71	6,186.2	182.2	927.3	-97.7	1.70
6,400.2	28.99	82.64	6,208.2	183.7	939.2	-99.8	2.12
6,425.4	29.24	82.23	6,230.2	185.3	951.4	-101.8	1.27
6,450.7	29.67	81.42	6,252.2	187.1	963.7	-103.7	2.32

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Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
6,475.9	30.19	80.83	6,274.1	189.0	976.1	-105.5	2.37
6,501.8	30.67	80.75	6,296.4	191.1	989.1	-107.3	1.86
6,526.0	31.69	80.54	6,317.1	193.2	1,001.4	-109.0	4.24
6,550.1	32.60	80.48	6,337.5	195.3	1,014.1	-110.7	3.77
6,575.8	33.91	80.26	6,359.0	197.6	1,028.0	-112.5	5.13
6,600.4	34.51	79.98	6,379.3	200.0	1,041.6	-114.2	2.52
6,625.6	34.18	79.52	6,400.2	202.5	1,055.6	-115.9	1.66
6,650.8	33.48	78.80	6,421.1	205.2	1,069.4	-117.4	3.20
6,675.0	33.95	78.41	6,441.3	207.8	1,082.6	-118.7	2.14
6,700.7	34.50	77.72	6,462.5	210.8	1,096.7	-120.0	2.62
6,726.1	33.69	77.54	6,483.5	213.9	1,110.6	-121.2	3.22
6,750.4	33.07	77.46	6,503.8	216.8	1,123.6	-122.2	2.56
6,775.9	32.84	77.02	6,525.1	219.8	1,137.2	-123.3	1.30
6,801.0	32.98	76.62	6,546.2	222.9	1,150.4	-124.2	1.03
6,825.9	32.93	76.46	6,567.2	226.1	1,163.7	-125.0	0.40
6,851.2	32.45	76.42	6,588.4	229.3	1,176.9	-125.9	1.90
6,875.4	31.65	77.33	6,609.0	232.2	1,189.4	-126.7	3.85
6,900.5	31.39	78.39	6,630.4	235.0	1,202.3	-127.9	2.44
6,926.1	31.91	79.03	6,652.2	237.6	1,215.4	-129.2	2.42
6,950.8	32.35	78.94	6,673.1	240.1	1,228.3	-130.6	1.79
6,975.7	32.95	78.21	6,694.0	242.8	1,241.5	-131.9	2.89
7,000.6	32.54	77.47	6,715.0	245.6	1,254.7	-133.1	2.30
7,025.7	32.11	76.54	6,736.2	248.6	1,267.8	-134.0	2.62
7,050.6	32.63	75.47	6,757.2	251.9	1,280.7	-134.7	3.11
7,070.3	33.07	74.90	6,773.7	254.6	1,291.0	-135.1	2.74
7,192.0	26.82	74.17	6,879.2	270.7	1,349.5	-136.9	5.14
7,208.0	26.68	75.43	6,893.4	272.6	1,356.5	-137.1	3.65
Sycamore							
7,222.0	26.56	76.54	6,906.0	274.1	1,362.6	-137.4	3.65
7,252.0	28.23	81.55	6,932.6	276.7	1,376.1	-138.9	9.48
7,282.0	29.53	86.93	6,958.9	278.2	1,390.5	-141.7	9.68
7,312.0	31.90	89.81	6,984.7	278.6	1,405.8	-145.8	9.30
7,342.0	34.32	89.87	7,009.8	278.6	1,422.2	-150.6	8.07
7,372.0	37.11	88.50	7,034.1	278.9	1,439.7	-155.5	9.67
7,402.0	39.22	85.24	7,057.7	279.9	1,458.2	-159.9	9.72
7,432.0	40.27	79.97	7,080.8	282.4	1,477.2	-163.1	11.76
7,462.0	40.80	74.52	7,103.6	286.7	1,496.2	-164.6	11.94
7,474.0	40.56	72.38	7,112.7	288.9	1,503.7	-164.7	11.78
Middlesex							
7,492.0	40.28	69.14	7,126.4	292.8	1,514.7	-164.2	11.78
7,522.0	39.20	61.81	7,149.5	300.7	1,532.2	-161.7	16.02
7,552.0	38.32	55.74	7,172.9	310.4	1,548.2	-157.2	13.00
7,582.0	38.94	49.81	7,196.3	321.8	1,563.1	-150.7	12.51
7,612.0	40.10	44.11	7,219.5	334.8	1,577.0	-142.3	12.69

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Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
7,642.0	41.21	38.37	7,242.3	349.5	1,589.9	-132.1	13.00
7,672.0	42.92	33.18	7,264.5	365.8	1,601.6	-119.9	12.91
Burkett							
7,702.0	44.74	28.11	7,286.2	383.7	1,612.2	-105.9	13.18
7,709.0	45.25	27.04	7,291.1	388.0	1,614.5	-102.4	13.06
Tully							
7,732.0	47.00	23.65	7,307.1	403.0	1,621.6	-90.1	13.06
7,762.0	49.61	19.65	7,327.0	423.8	1,629.8	-72.7	13.22
7,792.0	51.83	16.63	7,346.0	445.9	1,637.0	-53.7	10.74
7,822.0	53.96	10.96	7,364.1	469.1	1,642.7	-33.2	16.66
7,845.0	56.62	8.74	7,377.2	487.7	1,646.0	-16.3	14.03
Hamilton							
7,852.0	57.44	8.09	7,381.0	493.6	1,646.8	-11.0	14.03
7,882.0	61.11	5.31	7,396.4	519.2	1,649.8	12.6	14.60
7,912.0	64.65	2.41	7,410.1	545.8	1,651.6	37.6	14.60
7,942.0	67.68	359.60	7,422.2	573.2	1,652.1	63.6	13.24
7,972.0	70.05	356.12	7,433.0	601.2	1,651.0	90.7	13.40
8,002.0	71.98	352.32	7,442.8	629.4	1,648.2	118.5	13.60
8,027.0	73.64	349.45	7,450.1	653.0	1,644.4	142.1	12.83
Marcellus							
8,032.0	73.98	348.88	7,451.5	657.7	1,643.5	146.9	12.83
8,062.0	77.17	345.83	7,459.0	686.0	1,637.1	175.9	14.49
8,092.0	80.20	342.68	7,464.9	714.3	1,629.1	205.3	14.42
8,115.0	82.70	340.58	7,468.3	735.9	1,622.0	228.0	14.13
8,167.0	86.23	335.63	7,473.3	783.9	1,602.7	279.6	11.65
8,240.0	89.10	335.45	7,476.3	850.3	1,572.5	351.9	3.94
8,355.0	88.39	339.11	7,478.8	956.3	1,528.1	466.3	3.24
8,448.0	88.86	343.02	7,481.1	1,044.3	1,497.9	559.2	4.23
8,543.0	89.16	343.36	7,482.7	1,135.2	1,470.4	654.2	0.48
8,637.0	89.26	342.83	7,484.0	1,225.1	1,443.1	748.2	0.57
8,731.0	89.63	343.00	7,484.9	1,315.0	1,415.5	842.1	0.43
8,825.0	89.43	342.81	7,485.7	1,404.8	1,387.8	936.1	0.29
8,920.0	88.62	343.29	7,487.3	1,495.7	1,360.2	1,031.1	0.99
9,014.0	88.56	343.25	7,489.6	1,585.7	1,333.1	1,125.1	0.08
9,108.0	88.42	342.26	7,492.1	1,675.4	1,305.2	1,219.1	1.06
9,202.0	88.09	340.83	7,495.0	1,764.5	1,275.5	1,313.0	1.56
9,296.0	88.46	343.76	7,497.8	1,854.0	1,246.9	1,406.9	3.14
9,389.0	87.65	342.53	7,500.9	1,943.0	1,220.0	1,499.9	1.58
9,483.0	89.66	343.58	7,503.1	2,032.9	1,192.6	1,593.8	2.41
9,577.0	90.03	344.45	7,503.4	2,123.2	1,166.7	1,687.8	1.01
9,670.0	90.20	344.10	7,503.2	2,212.7	1,141.5	1,780.8	0.42
9,764.0	89.40	340.89	7,503.5	2,302.4	1,113.2	1,874.8	3.52
9,859.0	88.96	340.90	7,504.9	2,392.1	1,082.1	1,969.7	0.46
9,953.0	89.29	342.75	7,506.3	2,481.4	1,052.8	2,063.7	2.00
10,046.0	89.70	344.48	7,507.2	2,570.7	1,026.6	2,156.7	1.91

11/28/2014

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Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
10,139.0	89.56	343.03	7,507.8	2,659.9	1,000.6	2,249.6	1.57
10,231.0	89.70	340.78	7,508.4	2,747.4	972.0	2,341.6	2.45
10,326.0	88.99	341.59	7,509.4	2,837.3	941.4	2,436.6	1.13
10,420.0	89.63	343.55	7,510.6	2,927.0	913.2	2,530.6	2.19
10,514.0	90.00	344.82	7,510.9	3,017.4	887.6	2,624.5	1.41
10,608.0	90.70	345.78	7,510.3	3,108.3	863.8	2,718.5	1.26
10,702.0	89.63	342.11	7,510.0	3,198.6	837.8	2,812.4	4.07
10,796.0	90.03	339.00	7,510.3	3,287.3	806.5	2,906.3	3.34
10,890.0	88.72	338.12	7,511.3	3,374.8	772.1	3,000.0	1.68
10,984.0	88.66	341.48	7,513.5	3,462.9	739.7	3,093.9	3.57
11,077.0	90.03	344.39	7,514.5	3,551.8	712.4	3,186.8	3.46
11,172.0	91.01	344.94	7,513.7	3,643.4	687.3	3,281.8	1.18
11,266.0	90.20	347.58	7,512.7	3,734.7	664.9	3,375.6	2.94
11,360.0	89.53	346.80	7,512.9	3,826.4	644.1	3,469.4	1.09
11,456.0	88.52	345.14	7,514.5	3,919.5	620.8	3,565.2	2.02
11,547.0	88.83	342.92	7,516.7	4,007.0	595.8	3,656.2	2.46
11,641.0	88.83	342.33	7,518.6	4,096.7	567.7	3,750.1	0.63
11,735.0	88.62	343.47	7,520.7	4,186.5	540.1	3,844.1	1.23
11,829.0	90.07	343.00	7,521.7	4,276.5	513.0	3,938.1	1.62
11,923.0	90.10	341.97	7,521.6	4,366.1	484.7	4,032.1	1.10
12,017.0	90.20	342.49	7,521.4	4,455.6	456.0	4,126.1	0.56
12,111.0	90.67	343.09	7,520.6	4,545.4	428.2	4,220.1	0.81
12,204.0	90.44	340.72	7,519.7	4,633.8	399.3	4,313.1	2.56
12,295.0	91.01	341.11	7,518.6	4,719.8	369.6	4,404.0	0.76
12,385.0	91.31	343.36	7,516.8	4,805.5	342.1	4,494.0	2.52
12,477.0	90.20	345.02	7,515.5	4,894.0	317.1	4,585.9	2.17
12,568.0	89.93	343.14	7,515.4	4,981.5	292.1	4,676.9	2.09
12,659.0	90.57	341.27	7,515.0	5,068.1	264.3	4,767.9	2.17
12,749.0	91.24	344.59	7,513.6	5,154.2	237.9	4,857.9	3.76
12,840.0	90.64	343.36	7,512.1	5,241.6	212.8	4,948.8	1.50
12,931.0	90.60	343.32	7,511.1	5,328.8	186.7	5,039.8	0.06
13,021.0	90.13	342.69	7,510.6	5,414.8	160.4	5,129.8	0.87
13,112.0	88.69	341.62	7,511.5	5,501.5	132.5	5,220.8	1.97
13,204.0	88.62	341.90	7,513.7	5,588.8	103.7	5,312.8	0.31
13,294.0	90.91	343.35	7,514.0	5,674.7	76.8	5,402.8	3.01
13,389.0	89.56	344.01	7,513.7	5,765.9	50.1	5,497.8	1.58
13,483.0	88.83	343.17	7,515.0	5,856.0	23.6	5,591.7	1.18
13,577.0	89.20	344.01	7,516.6	5,946.2	-3.0	5,685.7	0.98
13,671.0	89.50	344.31	7,517.7	6,036.6	-28.6	5,779.7	0.45
13,765.0	89.36	345.15	7,518.6	6,127.3	-53.4	5,873.6	0.91
13,859.0	89.50	344.09	7,519.5	6,217.9	-78.3	5,967.6	1.14
13,953.0	88.93	341.45	7,520.8	6,307.7	-106.2	6,061.6	2.87
14,049.0	88.69	340.71	7,522.8	6,398.5	-137.3	6,157.5	0.81
14,142.0	89.03	342.06	7,524.7	6,486.6	-167.0	6,250.4	1.50

11/28/2014

33-05694

Antero Resources

EOW Completion Report

Scientific Drilling

Company:	Antero Resources	**Local Co-ordinate Reference:**	Well Ford Unit 2H
Project:	Harrison County West Virginia	**TVD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Site:	Ruth/Norris/Nellie/Ford Pad	**MD Reference:**	Patterson 340: GL 1374' + 24' RKB @ 1398.0usft
Well:	Ford Unit 2H	**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)
14,236.0	89.36	341.15	7,526.0	6,575.8	-196.6	6,344.4	1.03
14,329.0	89.03	341.40	7,527.3	6,663.8	-226.5	6,437.4	0.45
14,423.0	89.63	343.98	7,528.4	6,753.6	-254.4	6,531.3	2.82
14,517.0	89.97	345.77	7,528.7	6,844.3	-279.0	6,625.3	1.94
14,611.0	89.33	344.65	7,529.3	6,935.2	-303.0	6,719.2	1.37
14,705.0	89.83	344.41	7,530.0	7,025.8	-328.0	6,813.2	0.59
14,799.0	88.93	341.88	7,531.0	7,115.7	-355.3	6,907.2	2.86
14,894.0	89.40	342.89	7,532.4	7,206.3	-384.0	7,002.1	1.17
14,988.0	90.27	343.51	7,532.6	7,296.3	-411.2	7,096.1	1.14
15,081.0	89.10	342.31	7,533.2	7,385.1	-438.5	7,189.1	1.80
15,176.0	88.56	342.57	7,535.1	7,475.7	-467.2	7,284.1	0.63
15,269.0	89.63	343.90	7,536.6	7,564.7	-494.0	7,377.1	1.84
15,363.0	90.07	344.30	7,536.8	7,655.1	-519.7	7,471.1	0.63
15,457.0	89.19	342.68	7,537.4	7,745.2	-546.5	7,565.1	1.96
15,551.0	88.63	340.99	7,539.2	7,834.5	-575.8	7,659.0	1.89
15,645.0	88.93	339.93	7,541.2	7,923.1	-607.2	7,752.9	1.17
15,738.0	89.63	341.73	7,542.4	8,010.9	-637.7	7,845.8	2.08
15,833.0	90.03	341.84	7,542.7	8,101.2	-667.4	7,940.8	0.44
15,927.0	89.06	343.19	7,543.4	8,190.8	-695.7	8,034.8	1.77
16,020.0	89.87	342.24	7,544.3	8,279.6	-723.3	8,127.8	1.34
16,115.0	88.56	342.63	7,545.6	8,370.2	-752.0	8,222.8	1.44
16,209.0	88.79	343.67	7,547.8	8,460.1	-779.2	8,316.8	1.13
16,303.0	88.83	342.49	7,549.7	8,550.0	-806.5	8,410.7	1.26
16,397.0	89.76	343.39	7,550.9	8,639.9	-834.1	8,504.7	1.38
16,491.0	89.66	341.97	7,551.3	8,729.6	-862.1	8,598.7	1.51
16,585.0	89.16	343.63	7,552.3	8,819.4	-889.9	8,692.7	1.84
16,679.0	89.36	342.55	7,553.5	8,909.3	-917.2	8,786.7	1.17
16,773.0	89.09	339.95	7,554.8	8,998.3	-947.5	8,880.6	2.78
16,867.0	89.93	339.45	7,555.6	9,086.5	-980.1	8,974.5	1.04
16,961.0	88.86	339.15	7,556.6	9,174.4	-1,013.3	9,068.3	1.18
17,056.0	89.46	342.19	7,558.0	9,264.0	-1,044.7	9,163.2	3.26
17,126.0	89.83	344.96	7,558.4	9,331.2	-1,064.5	9,233.2	3.99
17,184.0	89.83	344.96	7,558.6	9,387.2	-1,079.6	9,291.2	0.00

33-05694

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Scientific Drilling

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Well:	Ford Unit 2H	**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
7,208.0	6,893.4	272.6	1,356.5	Sycamore
7,474.0	7,112.7	288.9	1,503.7	Middlesex
7,672.0	7,264.5	365.8	1,601.6	Burkett
7,709.0	7,291.1	388.0	1,614.5	Tully
7,845.0	7,377.2	487.7	1,646.0	Hamilton
8,027.0	7,450.1	653.0	1,644.4	Marcellus

Checked By: _____ Approved By: _____ Date: _____