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JUL 20 2015

WV GEOLOGICAL SURVEY
MORGANTHAU AVENUE



Antero Resources
Sibley Unit 1H
Doddridge County WV
Northing: 14238595.02
Easting: 1714326.00
As Drilled

WELL DETAILS: Sibley Unit 1H
Ground Level: 1275.0
Casing: 1714326.00
39° 12' 38.862" N
80° 44' 20.867" W

REFERENCE INFORMATION
Coordinates (NED Reference): Well Sibley Unit 1H, Old North
Section (NAD 83) Reference: 1714326.00
Datum: NAD 83
Zone: Zone 17N (84 W to 78 W)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Doddridge County WV
Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1983 (NAD83 CONUS)
Ellipsoid: Clarke 1866
Zone: Zone 17N (84 W to 78 W)
System Datum: Mean Sea Level

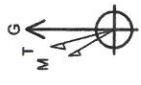
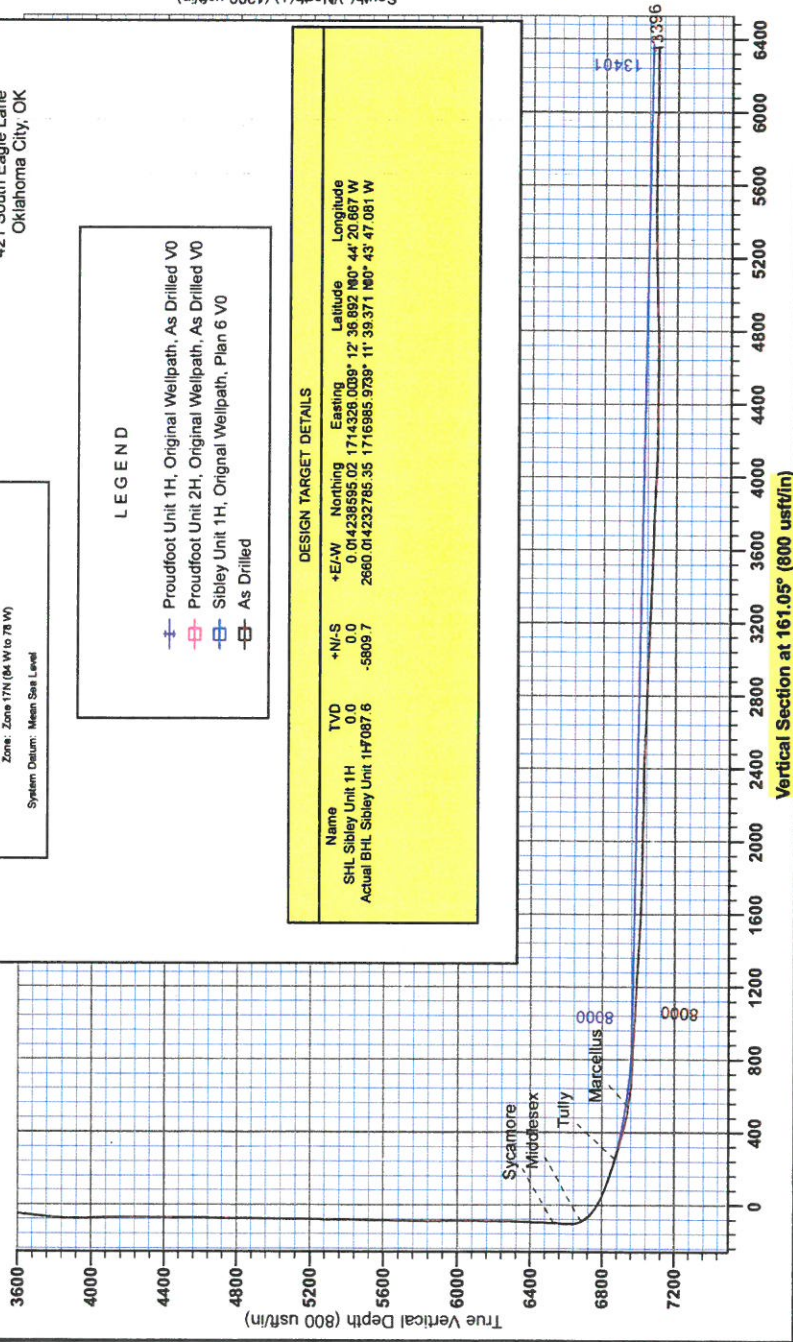
Scientific Drilling
Gene Lightfoot
15.09, August 27 2014
Scientific Drilling
421 South Eagle Lane
Oklahoma City, OK

LEGEND

- Proudfoot Unit 1H, Original Wellpath, As Drilled V0
- Proudfoot Unit 2H, Original Wellpath, As Drilled V0
- Sibley Unit 1H, Original Wellpath, Plan 6 V0
- As Drilled

DESIGN TARGET DETAILS

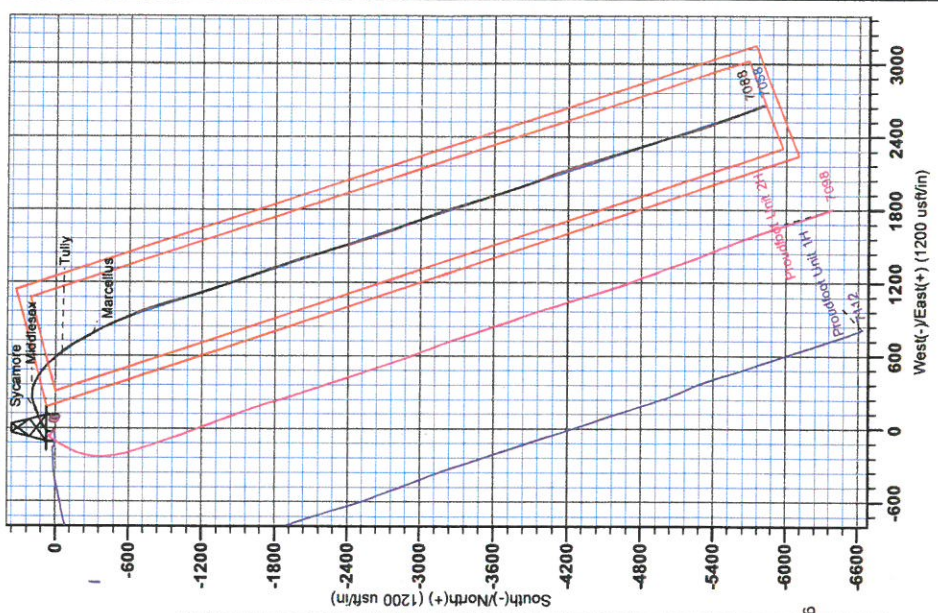
Name	TVD	+N/-S	+E/W	Northing	Easting	Latitude	Longitude
SHL Sibley Unit 1H	0.0	0.0	0.0	0.014238595 02	1714326.0039	12° 36' 892" N00° 44' 20.867" W	
Actual BHL Sibley Unit 1H#087.8	-5809.7			2660.014232785 35	1716985.9739	11° 39.371" N00° 43' 47.081" W	



To convert Magnetic North to Grid, Subtract 8.70°
To convert True North to Grid, Subtract 0.16°

Asimuths to Grid North
True North: -0.17°
Magnetic North: -8.70°

Magnetic Field
Strength: 52222.8nT
Dip Angle: 68.79°
Date: 4/25/2014
Model: BGGM2013





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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Antero Resources

Doddridge County WV

Harriet/Lick Run/Proudfoot/Sibley Pad

Sibley Unit 1H

Original Wellpath

Design: As Drilled

EOW Completion Report

27 August, 2014



JUL 20 2015



EOW Completion Report



Company: Antero Resources	Local Co-ordinate Reference: Well Sibley Unit 1H
Project: Doddridge County WV	TVD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usft
Site: Harriet/Lick Run/Proudfoot/Sibley Pad	MD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usft
Well: Sibley Unit 1H	North Reference: Grid
Wellbore: Original Wellpath	Survey Calculation Method: Minimum Curvature
Design: As Drilled	Database: Oklahoma District

Project	Doddridge County WV, McClellan District		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 17N (84 W to 78 W)		

Site	Harriet/Lick Run/Proudfoot/Sibley Pad, SHL Proudfoot Unit 2H				
Site Position:	Northing:	14,238,600.69 usft	Latitude:	39° 12' 36.949 N	
From: Map	Easting:	1,714,306.91 usft	Longitude:	80° 44' 20.909 W	
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.16 °

Well	Sibley Unit 1H				
Well Position	+N/-S	0.0 usft	Northing:	14,238,595.02 usft	
	+E/-W	0.0 usft	Easting:	1,714,326.00 usft	
Position Uncertainty	2.0 usft	Wellhead Elevation:	1,288.0 usft	Ground Level:	1,275.0 usft

Wellbore	Original Wellpath				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	4/25/2014	-8.53	66.79	52,223

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	161.05	

Survey Program	Date 8/27/2014				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
109.5	3,492.5	Survey #2 Def Gyro (Original Wellpath)	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper	
3,409.5	6,098.5	Survey #5 Def Gyro to KOP (Original Wellp)	SDI Standard Keeper	Scientific Drilling Intl. Standard Wireline Keeper	
6,105.0	13,396.0	Survey #6 MWD (Original Wellpath)	MWD SDI	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
	109.5	0.39	60.89	109.5	0.2	0.3	-0.1	0.36
	209.5	0.16	9.34	209.5	0.5	0.6	-0.2	0.32
	309.5	0.13	302.13	309.5	0.7	0.6	-0.5	0.16
	409.5	0.12	290.99	409.5	0.8	0.4	-0.6	0.03
	509.5	0.14	295.49	509.5	0.9	0.2	-0.8	0.02
	609.5	0.22	270.74	609.5	0.9	-0.1	-0.9	0.11
	709.5	0.22	284.49	709.5	1.0	-0.5	-1.1	0.05
	809.5	0.29	279.14	809.5	1.1	-0.9	-1.3	0.07
	909.5	0.33	293.56	909.5	1.2	-1.5	-1.6	0.09

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Wellbore: Original Wellpath
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MD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
1,009.5	0.32	305.04	1,009.5	1.5	-2.0	-2.0	0.07
1,109.5	0.32	314.36	1,109.5	1.9	-2.4	-2.5	0.05
1,209.5	0.39	298.66	1,209.5	2.2	-2.9	-3.0	0.12
1,309.5	0.42	320.47	1,309.5	2.7	-3.4	-3.6	0.16
1,409.5	0.47	324.45	1,409.5	3.3	-3.9	-4.4	0.06
1,509.5	0.42	319.48	1,509.5	3.9	-4.4	-5.1	0.06
1,609.5	0.67	321.37	1,609.5	4.6	-5.0	-6.0	0.25
1,709.5	0.71	321.49	1,709.5	5.6	-5.7	-7.1	0.04
1,809.5	0.82	308.10	1,809.5	6.5	-6.7	-8.3	0.21
1,909.5	0.80	310.26	1,909.4	7.4	-7.8	-9.5	0.04
2,009.5	0.91	313.75	2,009.4	8.4	-8.9	-10.8	0.12
2,109.5	0.79	304.59	2,109.4	9.3	-10.0	-12.1	0.18
2,209.5	0.84	303.68	2,209.4	10.1	-11.2	-13.2	0.05
2,309.5	0.80	308.77	2,309.4	11.0	-12.3	-14.4	0.08
2,409.5	0.76	314.76	2,409.4	11.9	-13.4	-15.6	0.09
2,509.5	0.97	305.87	2,509.4	12.8	-14.5	-16.8	0.25
2,525.5	0.99	308.43	2,525.4	13.0	-14.7	-17.1	0.30
2,609.5	0.86	305.46	2,609.4	13.8	-15.8	-18.2	0.16
2,709.5	1.05	301.92	2,709.4	14.7	-17.2	-19.5	0.20
2,809.5	1.30	303.11	2,809.3	15.8	-18.9	-21.1	0.25
2,909.5	1.36	301.81	2,909.3	17.1	-20.9	-22.9	0.07
3,009.5	1.50	306.75	3,009.3	18.5	-22.9	-24.9	0.19
3,109.5	1.49	304.74	3,109.2	20.0	-25.1	-27.1	0.05
3,209.5	1.54	305.80	3,209.2	21.5	-27.2	-29.2	0.06
3,309.5	1.54	302.10	3,309.2	23.0	-29.4	-31.4	0.10
3,309.6	1.54	302.10	3,309.2	23.0	-29.4	-31.4	0.00
3,409.5	2.41	345.46	3,409.1	25.8	-31.1	-34.5	1.67
3,509.5	5.81	356.03	3,508.8	32.9	-32.0	-41.5	3.47
3,609.5	6.74	4.99	3,608.3	43.8	-31.8	-51.7	1.35
3,709.5	8.84	20.95	3,707.3	56.8	-28.6	-63.0	3.00
3,809.5	9.12	39.91	3,806.1	70.1	-20.7	-73.0	2.96
3,909.5	7.59	74.20	3,905.1	77.9	-9.3	-76.7	5.12
4,009.5	3.53	99.39	4,004.6	79.2	0.1	-74.9	4.64
4,109.5	2.16	93.19	4,104.5	78.6	5.0	-72.7	1.40
4,209.5	1.32	79.69	4,204.5	78.7	8.0	-71.8	0.93
4,309.5	0.76	50.58	4,304.5	79.4	9.7	-71.9	0.75
4,409.5	0.74	35.39	4,404.5	80.3	10.6	-72.5	0.20
4,509.5	0.82	34.03	4,504.4	81.4	11.3	-73.3	0.08
4,609.5	0.81	25.82	4,604.4	82.7	12.1	-74.3	0.12
4,709.5	0.77	21.05	4,704.4	83.9	12.6	-75.3	0.08
4,809.5	0.82	20.92	4,804.4	85.2	13.1	-76.3	0.05
4,909.5	0.75	10.12	4,904.4	86.5	13.5	-77.5	0.16
5,009.5	0.82	7.30	5,004.4	87.9	13.7	-78.7	0.08
5,109.5	0.96	12.20	5,104.4	89.4	13.9	-80.0	0.16
5,209.5	0.98	20.53	5,204.4	91.0	14.4	-81.4	0.14

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

EOW Completion Report



Company: Antero Resources
Project: Doddridge County WV
Site: Harriet/Lick Run/Proudfoot/Sibley Pad
Well: Sibley Unit 1H
Wellbore: Original Wellpath
Design: As Drilled

Local Co-ordinate Reference: Well Sibley Unit 1H
TVD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usft
MD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
5,309.5	1.08	19.98	5,304.4	92.7	15.0	-82.8	0.10
5,409.5	1.19	19.03	5,404.3	94.6	15.7	-84.4	0.11
5,509.5	1.15	18.95	5,504.3	96.5	16.4	-86.0	0.04
5,609.5	0.96	20.92	5,604.3	98.2	17.0	-87.4	0.19
5,709.5	1.14	39.50	5,704.3	99.8	17.9	-88.6	0.38
5,809.5	1.35	57.62	5,804.3	101.2	19.6	-89.4	0.44
5,909.5	1.18	71.66	5,904.2	102.1	21.5	-89.6	0.35
6,009.5	1.20	71.38	6,004.2	102.8	23.5	-89.6	0.02
6,098.5	1.24	76.32	6,093.2	103.3	25.3	-89.5	0.13
6,165.0	1.49	72.60	6,159.7	103.8	26.8	-89.4	0.40
6,196.0	3.80	59.40	6,190.6	104.4	28.1	-89.6	7.66
6,228.0	5.72	59.83	6,222.5	105.7	30.4	-90.1	6.00
6,259.0	7.39	58.45	6,253.3	107.6	33.4	-90.9	5.41
6,291.0	8.79	58.88	6,285.0	109.9	37.3	-91.8	4.38
6,322.0	9.32	60.20	6,315.6	112.4	41.5	-92.8	1.84
6,353.0	10.20	60.29	6,346.2	115.0	46.0	-93.8	2.84
6,385.0	12.71	61.35	6,377.5	118.1	51.6	-94.9	7.87
6,416.0	17.40	64.26	6,407.5	121.7	58.8	-96.0	15.32
6,447.0	22.42	65.83	6,436.6	126.2	68.3	-97.1	16.28
6,479.0	27.87	65.74	6,465.5	131.7	80.7	-98.4	17.03
6,510.0	32.98	66.79	6,492.3	138.0	95.1	-99.7	16.57
6,541.0	36.14	67.85	6,517.8	144.8	111.3	-100.8	10.38
6,556.0	37.42	67.85	6,529.8	148.2	119.7	-101.3	8.53
Sycamore							
6,573.0	38.87	67.85	6,543.2	152.2	129.4	-101.9	8.53
6,604.0	43.00	67.50	6,566.6	159.9	148.2	-103.1	13.34
6,635.0	47.04	68.55	6,588.5	168.1	168.5	-104.2	13.25
6,667.0	49.68	68.99	6,609.8	176.7	190.8	-105.2	8.31
6,698.0	50.56	71.63	6,629.6	184.7	213.2	-105.5	7.12
6,729.0	52.06	78.57	6,649.0	190.9	236.5	-103.8	18.13
6,761.0	53.73	86.22	6,668.4	194.3	261.8	-98.7	19.76
6,788.0	54.62	92.51	6,684.2	194.5	283.7	-91.9	19.17
Middlesex							
6,792.0	54.78	93.43	6,686.5	194.4	286.9	-90.6	19.17
6,823.0	56.10	100.46	6,704.1	191.3	312.3	-79.5	19.15
6,848.0	57.11	105.56	6,717.8	186.6	332.6	-68.5	17.50
6,879.0	58.02	112.80	6,734.5	178.0	357.3	-52.3	19.92
6,910.0	60.09	117.89	6,750.4	166.6	381.3	-33.7	15.58
6,941.0	62.87	120.85	6,765.2	153.2	405.0	-13.4	12.28
6,973.0	66.16	123.51	6,779.0	137.8	429.4	9.1	12.73
7,004.0	68.10	125.54	6,791.1	121.6	453.0	32.0	8.69
7,035.0	69.12	127.62	6,802.4	104.4	476.1	55.8	7.06
7,067.0	70.70	130.43	6,813.4	85.5	499.5	81.3	9.61
7,098.0	72.19	134.12	6,823.2	65.8	521.2	107.1	12.26



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Project: Doddridge County WV
Site: Harriet/Lick Run/Proudfoot/Sibley Pad
Well: Sibley Unit 1H
Wellbore: Original Wellpath
Design: As Drilled

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7,130.0	73.07	136.14	6,832.8	44.1	542.8	134.5	6.62
7,161.0	73.16	136.23	6,841.8	22.7	563.3	161.5	0.40
7,193.0	73.16	137.37	6,851.1	0.4	584.3	189.4	3.41
7,225.0	72.81	139.39	6,860.4	-22.5	604.6	217.6	6.13
7,257.0	73.07	140.62	6,869.8	-45.9	624.3	246.2	3.76
7,263.0	73.27	141.18	6,871.5	-50.4	627.9	251.6	9.60
Tully							
7,288.0	74.13	143.52	6,878.6	-69.4	642.5	274.3	9.60
7,320.0	74.04	145.63	6,887.3	-94.5	660.4	303.8	6.35
7,351.0	74.04	146.95	6,895.9	-119.3	676.9	332.6	4.09
7,415.0	74.22	152.93	6,913.4	-172.5	707.7	393.0	8.99
7,478.0	75.89	152.66	6,929.6	-226.6	735.5	453.2	2.68
7,510.0	79.67	152.31	6,936.4	-254.4	750.0	484.1	11.86
7,541.0	82.31	151.95	6,941.2	-281.4	764.3	514.4	8.59
7,568.0	82.04	151.65	6,944.9	-305.0	776.9	540.8	1.46
Marcellus							
7,604.0	81.69	151.26	6,950.0	-336.3	794.0	575.9	1.46
7,668.0	82.66	151.79	6,958.7	-392.1	824.2	638.5	1.72
7,699.0	85.56	152.49	6,961.9	-419.3	838.6	668.9	9.62
7,731.0	87.23	154.25	6,963.9	-447.9	852.9	700.6	7.57
7,794.0	87.32	154.69	6,966.9	-504.6	880.0	763.1	0.71
7,889.0	87.67	156.88	6,971.1	-591.2	919.0	857.6	2.33
7,984.0	86.17	158.55	6,976.2	-679.0	954.9	952.3	2.36
8,078.0	87.14	161.01	6,981.7	-767.0	987.4	1,046.1	2.81
8,169.0	87.05	162.68	6,986.3	-853.4	1,015.7	1,137.0	1.84
8,260.0	87.58	163.74	6,990.5	-940.4	1,041.9	1,227.8	1.30
8,351.0	86.26	163.30	6,995.4	-1,027.5	1,067.7	1,318.6	1.53
8,442.0	86.97	163.30	7,000.8	-1,114.5	1,093.8	1,409.3	0.78
8,534.0	87.23	162.07	7,005.5	-1,202.3	1,121.2	1,501.2	1.36
8,625.0	87.49	162.24	7,009.6	-1,288.8	1,149.0	1,592.1	0.34
8,716.0	88.46	161.19	7,012.9	-1,375.1	1,177.6	1,683.0	1.57
8,808.0	89.16	160.49	7,014.8	-1,462.0	1,207.8	1,775.0	1.08
8,899.0	89.16	160.57	7,016.1	-1,547.8	1,238.1	1,866.0	0.09
8,990.0	88.55	160.75	7,017.9	-1,633.7	1,268.2	1,957.0	0.70
9,081.0	88.90	160.13	7,019.9	-1,719.4	1,298.7	2,047.9	0.78
9,173.0	88.72	162.16	7,021.9	-1,806.4	1,328.4	2,139.9	2.21
9,268.0	89.29	161.47	7,023.5	-1,896.7	1,358.0	2,234.9	0.94
9,362.0	89.60	161.72	7,024.4	-1,985.8	1,387.7	2,328.9	0.42
9,457.0	88.64	163.39	7,025.9	-2,076.5	1,416.2	2,423.8	2.03
9,552.0	87.49	164.18	7,029.1	-2,167.6	1,442.7	2,518.7	1.47
9,647.0	86.97	164.44	7,033.7	-2,259.0	1,468.4	2,613.4	0.61
9,742.0	88.29	163.65	7,037.6	-2,350.2	1,494.5	2,708.2	1.62
9,837.0	88.02	163.21	7,040.7	-2,441.2	1,521.5	2,803.0	0.54
9,932.0	88.11	162.24	7,043.9	-2,531.9	1,549.7	2,897.9	1.02
10,027.0	87.85	160.84	7,047.2	-2,622.0	1,579.8	2,992.9	1.50

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Design: As Drilled

Local Co-ordinate Reference: Well Sibley Unit 1H
TVD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usf
MD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usf
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
10,122.0	87.93	160.66	7,050.7	-2,711.6	1,611.1	3,087.8	0.21
10,218.0	87.58	158.82	7,054.5	-2,801.6	1,644.3	3,183.7	1.95
10,313.0	86.97	159.52	7,059.0	-2,890.3	1,678.0	3,278.6	0.98
10,407.0	88.37	158.20	7,062.8	-2,977.9	1,711.9	3,372.4	2.05
10,502.0	87.85	160.13	7,066.0	-3,066.6	1,745.7	3,467.3	2.10
10,597.0	88.02	159.43	7,069.4	-3,155.7	1,778.5	3,562.2	0.76
10,692.0	88.29	163.39	7,072.4	-3,245.7	1,808.8	3,657.1	4.18
10,787.0	88.81	162.60	7,074.8	-3,336.5	1,836.5	3,752.1	1.00
10,882.0	87.23	163.04	7,078.1	-3,427.2	1,864.6	3,847.0	1.73
10,977.0	87.14	163.21	7,082.8	-3,518.0	1,892.1	3,941.8	0.20
11,072.0	87.32	163.39	7,087.4	-3,608.9	1,919.4	4,036.6	0.27
11,167.0	88.29	162.60	7,091.0	-3,699.7	1,947.2	4,131.5	1.32
11,262.0	90.57	162.16	7,092.0	-3,790.2	1,975.9	4,226.4	2.44
11,356.0	89.78	158.99	7,091.7	-3,878.8	2,007.2	4,320.4	3.48
11,451.0	89.25	156.79	7,092.5	-3,966.8	2,042.9	4,415.3	2.38
11,546.0	89.69	158.64	7,093.4	-4,054.7	2,078.9	4,510.1	2.00
11,640.0	88.99	159.61	7,094.4	-4,142.5	2,112.4	4,604.0	1.27
11,735.0	90.92	162.86	7,094.5	-4,232.5	2,143.0	4,699.0	3.98
11,830.0	90.75	161.19	7,093.1	-4,322.8	2,172.3	4,794.0	1.77
11,925.0	91.63	163.47	7,091.2	-4,413.3	2,201.1	4,888.9	2.57
12,020.0	92.42	162.68	7,087.8	-4,504.1	2,228.8	4,983.8	1.18
12,115.0	90.84	163.83	7,085.1	-4,595.1	2,256.1	5,078.7	2.06
12,209.0	91.28	163.30	7,083.4	-4,685.2	2,282.7	5,172.6	0.73
12,304.0	90.75	161.01	7,081.7	-4,775.6	2,311.8	5,267.5	2.47
12,399.0	90.84	164.18	7,080.4	-4,866.3	2,340.2	5,362.5	3.34
12,494.0	90.57	163.30	7,079.2	-4,957.5	2,366.8	5,457.4	0.97
12,589.0	89.16	164.18	7,079.4	-5,048.6	2,393.4	5,552.3	1.75
12,684.0	89.69	164.00	7,080.4	-5,140.0	2,419.5	5,647.1	0.59
12,778.0	90.22	163.74	7,080.4	-5,230.3	2,445.6	5,741.0	0.63
12,873.0	88.55	160.75	7,081.5	-5,320.8	2,474.5	5,836.0	3.60
12,968.0	88.64	160.13	7,083.8	-5,410.3	2,506.3	5,930.9	0.66
13,063.0	88.86	159.02	7,085.9	-5,499.3	2,539.5	6,025.9	1.19
13,158.0	89.08	158.11	7,087.6	-5,587.7	2,574.2	6,120.8	0.99
13,253.0	90.13	159.08	7,088.2	-5,676.1	2,608.9	6,215.7	1.50
13,336.0	90.44	158.66	7,087.8	-5,753.5	2,638.8	6,298.6	0.63
13,396.0	90.00	160.00	7,087.6	-5,809.7	2,660.0	6,358.6	2.35



Company: Antero Resources
Project: Doddridge County WV
Site: Harriet/Lick Run/Proudfoot/Sibley Pad
Well: Sibley Unit 1H
Wellbore: Original Wellpath
Design: As Drilled

Local Co-ordinate Reference: Well Sibley Unit 1H
TVD Reference: Patterson 317 GL 1275' + RKB 22.5 @ 1297.5usft
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Oklahoma District

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,556.0	6,529.8	148.2	119.7	Sycamore
6,788.0	6,684.2	194.5	283.7	Middlesex
7,263.0	6,871.5	-50.4	627.9	Tully
7,568.0	6,944.9	-305.0	776.9	Marcellus

Checked By: _____ Approved By: _____ Date: _____

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 JUL 20 2015
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 MORGANTOWN, WV