STONE ENERGY

Stone Energy Corporation

Heather Prospect (NAD 27)
Martin Pad
Martin 3H - Slot 3H

OH

Design: As Drilled

Standard Survey Report

06 October, 2014

Scientific Drilling

www.scientificdrilling.com

06/02/2017

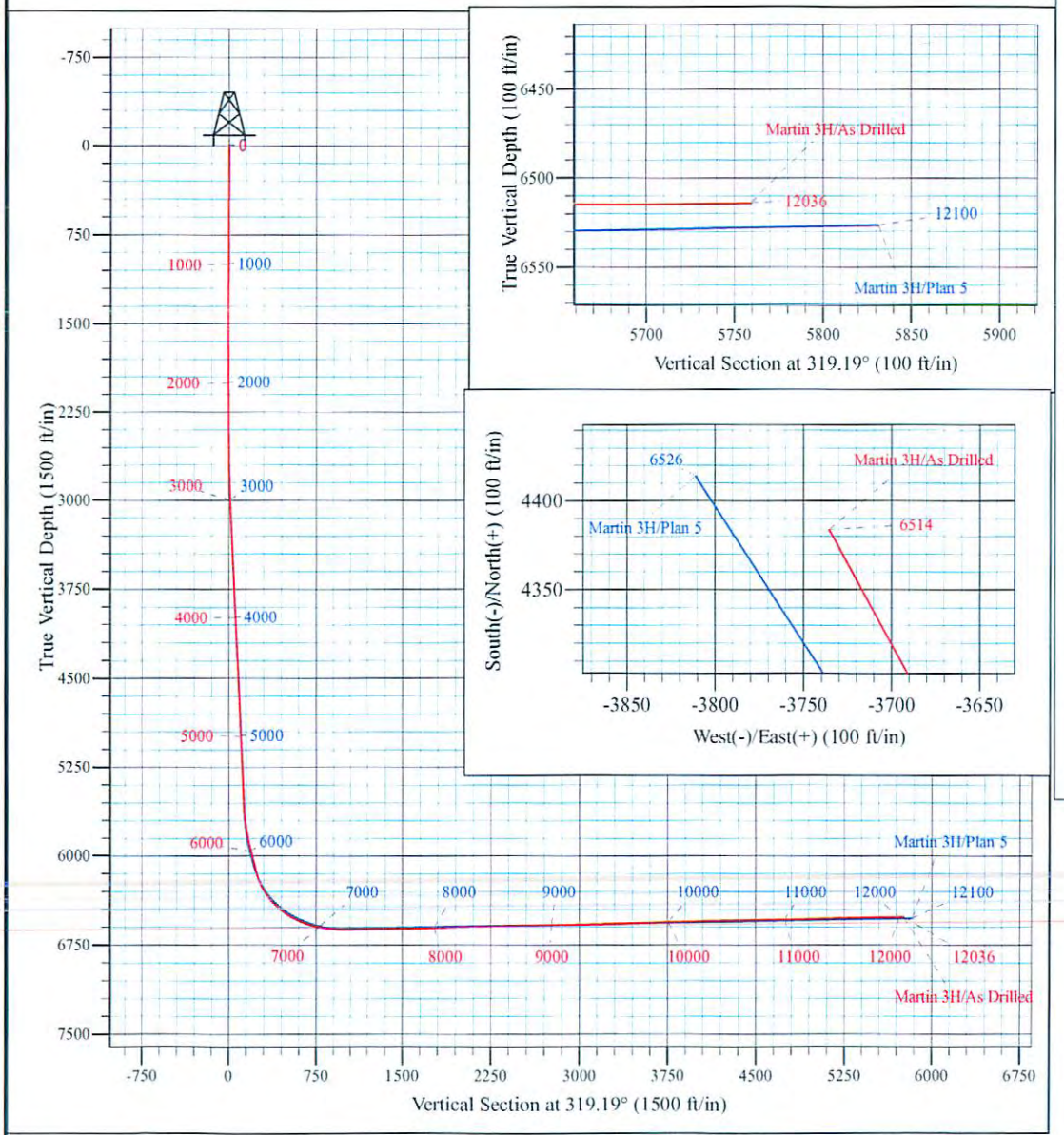
STONE ENERGY

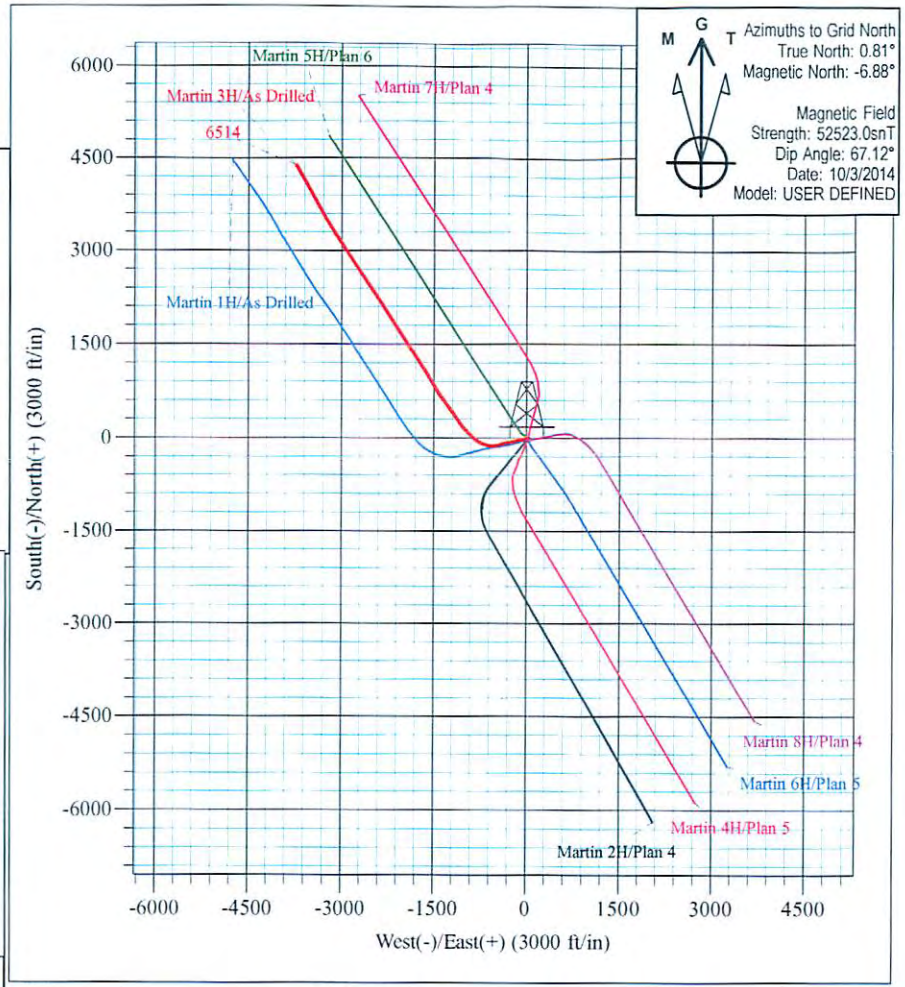
Martin Pad
Martin 3H
As Drilled
GL 906 & KB 10 @ 916.00ft (Highlands 2)
Heather Prospect (NAD 27)

PROJECT DETAILS:
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: West Virginia North 4701
System Datum: Mean Sea Level

Scientific Drilling

WELL DETAILS: Martin 3H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	407779.00	1643273.00	39° 36' 45.675 N	80° 45' 58.475 W





Shane Rhodes
13:23, October 03 2014

Scientific Drilling International
124 Vista Drive
Charleroi, PA 15022

Company:	Stone Energy Corporation	**Local Co-ordinate Reference:**	Well Martin 3H - Slot 3H
Project:	Heather Prospect (NAD 27)	**TVD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Site:	Martin Pad	**MD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Well:	Martin 3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Northeast District

Project Heather Prospect (NAD 27), Wetzel County, West Virginia

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	West Virginia North 4701		

Site Martin Pad

Site Position:		**Northing:**	407,759.00 usft	**Latitude:**	39° 36' 45.478 N
From:	Map	**Easting:**	1,643,274.00 usft	**Longitude:**	80° 45' 58.459 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0.81 °

Well Martin 3H - Slot 3H

Well Position	**+N/-S**	0.00 ft	**Northing:**	407,779.00 usft	**Latitude:**	39° 36' 45.675 N
	+E/-W	0.00 ft	**Easting:**	1,643,273.00 usft	**Longitude:**	80° 45' 58.475 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	0.00 ft	**Ground Level:**	906.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	3/27/2014	-8.59	67.11	52,440
	User Defined	9/10/2014	-7.69	67.13	52,532
	User Defined	10/3/2014	-7.69	67.12	52,523

Design As Drilled

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	319.19

Survey Program **Date** 10/6/2014

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	2,280.00	Survey #1 - Vaughn Gyro (OH)	VES GyroFlex	
2,302.00	5,348.00	Survey #2 - SDI MWD 8-3/4 Hole (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1
5,421.00	12,036.00	Survey #3 - Curve and Lateral SDI MWD 8	SDI MWD	SDI MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.22	86.48	100.00	0.01	0.19	-0.12	0.22	0.22	0.00
First Vaugh Gyro Survey @ 100 MD									
200.00	0.10	104.55	200.00	0.00	0.47	-0.30	0.13	-0.12	18.07
300.00	0.31	134.76	300.00	-0.21	0.74	-0.65	0.23	0.21	30.21
400.00	0.55	143.27	400.00	-0.79	1.22	-1.39	0.25	0.24	8.51

06/02/2017

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Site:	Martin Pad	**MD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Well:	Martin 3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Northeast District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
500.00	0.46	140.17	499.99	-1.48	1.77	-2.27	0.09	-0.09	-3.10
600.00	0.26	147.42	599.99	-1.98	2.15	-2.90	0.20	-0.20	7.25
700.00	0.30	136.19	699.99	-2.36	2.45	-3.39	0.07	0.04	-11.23
800.00	0.33	127.15	799.99	-2.72	2.86	-3.93	0.06	0.03	-9.04
900.00	0.48	72.92	899.99	-2.77	3.49	-4.38	0.39	0.15	-54.23
1,000.00	0.31	66.97	999.98	-2.54	4.14	-4.63	0.17	-0.17	-5.95
1,100.00	0.43	59.67	1,099.98	-2.25	4.71	-4.78	0.13	0.12	-7.30
1,200.00	0.38	63.91	1,199.98	-1.91	5.33	-4.93	0.06	-0.05	4.24
1,300.00	0.27	68.83	1,299.98	-1.68	5.85	-5.10	0.11	-0.11	4.92
1,400.00	0.31	53.83	1,399.98	-1.44	6.29	-5.20	0.09	0.04	-15.00
1,500.00	0.40	50.33	1,499.97	-1.05	6.78	-5.23	0.09	0.09	-3.50
1,600.00	0.51	47.76	1,599.97	-0.53	7.38	-5.22	0.11	0.11	-2.57
1,700.00	0.50	36.53	1,699.97	0.12	7.96	-5.12	0.10	-0.01	-11.23
1,800.00	0.55	19.10	1,799.96	0.92	8.38	-4.78	0.17	0.05	-17.43
1,900.00	0.48	16.66	1,899.96	1.78	8.66	-4.31	0.07	-0.07	-2.44
2,000.00	0.50	11.59	1,999.95	2.61	8.87	-3.82	0.05	0.02	-5.07
2,100.00	0.64	19.43	2,099.95	3.56	9.14	-3.28	0.16	0.14	7.84
2,200.00	0.56	11.86	2,199.94	4.56	9.43	-2.71	0.11	-0.08	-7.57
2,280.00	0.72	2.14	2,279.94	5.45	9.53	-2.10	0.24	0.20	-12.15
Last Vaughn Gyro Survey @ 2280 MD - First SDI MWD Survey @ 2280 MD									
2,302.00	0.62	357.72	2,301.94	5.71	9.53	-1.91	0.51	-0.45	-20.09
2,397.00	0.52	270.61	2,396.94	6.22	9.07	-1.22	0.83	-0.11	-91.69
2,491.01	1.59	245.64	2,490.92	5.69	7.46	-0.57	1.21	1.14	-26.56
2,585.01	2.89	241.07	2,584.85	4.01	4.20	0.29	1.39	1.38	-4.86
2,679.01	4.07	246.55	2,678.67	1.53	-0.94	1.77	1.30	1.26	5.83
2,773.01	5.12	252.78	2,772.37	-1.04	-8.00	4.45	1.24	1.12	6.63
2,867.01	5.35	251.07	2,865.98	-3.70	-16.16	7.76	0.30	0.24	-1.82
2,962.01	5.08	247.95	2,960.59	-6.72	-24.24	10.76	0.41	-0.28	-3.28
3,056.01	5.69	249.10	3,054.17	-9.94	-32.45	13.68	0.66	0.65	1.22
3,150.01	5.83	256.07	3,147.70	-12.75	-41.44	17.43	0.76	0.15	7.41
3,244.01	5.92	257.31	3,241.20	-14.97	-50.80	21.87	0.17	0.10	1.32
3,338.01	5.31	263.81	3,334.75	-16.50	-59.86	26.63	0.94	-0.65	6.91
3,432.01	5.02	265.97	3,428.37	-17.26	-68.28	31.56	0.37	-0.31	2.30
3,526.01	5.42	261.65	3,521.98	-18.19	-76.78	36.41	0.60	0.43	-4.60
3,622.01	5.59	259.41	3,617.54	-19.71	-85.86	41.19	0.29	0.18	-2.33
3,716.01	5.60	257.48	3,711.09	-21.55	-94.84	45.67	0.20	0.01	-2.05
3,810.01	5.88	254.36	3,804.62	-23.84	-103.95	49.89	0.45	0.30	-3.32
3,904.01	6.06	252.36	3,898.11	-26.64	-113.32	53.89	0.29	0.19	-2.13
3,998.01	5.75	256.37	3,991.61	-29.25	-122.62	57.99	0.55	-0.33	4.27
4,092.01	5.97	256.02	4,085.12	-31.54	-131.94	62.35	0.24	0.23	-0.37
4,186.01	6.28	253.92	4,178.59	-34.15	-141.63	66.71	0.41	0.33	-2.23
4,280.01	6.21	254.36	4,272.03	-36.94	-151.46	71.02	0.09	-0.07	0.47
4,374.01	4.90	257.57	4,365.59	-39.18	-160.28	75.09	1.43	-1.39	3.41
4,468.01	4.59	261.14	4,459.26	-40.62	-167.92	78.99	0.46	-0.33	3.80

06/02/2017

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Site:	Martin Pad	**MD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Well:	Martin 3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Northeast District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,563.01	4.88	260.18	4,553.94	-41.90	-175.65	83.08	0.32	0.31	-1.01
4,657.01	5.00	260.78	4,647.59	-43.23	-183.64	87.28	0.14	0.13	0.64
4,751.01	5.18	259.65	4,741.22	-44.65	-191.85	91.58	0.22	0.19	-1.20
4,846.01	5.26	259.92	4,835.83	-46.19	-200.36	95.98	0.09	0.08	0.28
4,971.01	5.51	259.93	4,960.28	-48.24	-211.91	101.97	0.20	0.20	0.01
5,065.01	5.97	259.68	5,053.80	-49.90	-221.16	106.76	0.49	0.49	-0.27
5,159.01	5.35	258.31	5,147.35	-51.67	-230.26	111.37	0.68	-0.66	-1.46
5,254.01	5.12	252.43	5,241.95	-53.84	-238.64	115.20	0.61	-0.24	-6.19
5,348.01	5.25	252.90	5,335.57	-56.37	-246.75	118.58	0.15	0.14	0.50
5,421.00	5.52	251.53	5,408.23	-58.47	-253.27	121.26	0.41	0.37	-1.88
5,485.00	5.06	256.79	5,471.96	-60.09	-258.94	123.74	1.04	-0.72	8.22
5,548.00	4.77	259.68	5,534.73	-61.19	-264.22	126.35	0.61	-0.46	4.59
5,580.00	4.85	259.38	5,566.62	-61.68	-266.86	127.71	0.26	0.25	-0.94
5,612.00	5.45	263.94	5,598.49	-62.09	-269.70	129.26	2.27	1.88	14.25
5,643.00	7.93	263.14	5,629.27	-62.50	-273.29	131.29	8.01	8.00	-2.58
5,674.00	10.50	266.72	5,659.87	-62.92	-278.23	134.21	8.49	8.29	11.55
5,706.00	12.77	265.92	5,691.21	-63.34	-284.67	138.10	7.11	7.09	-2.50
5,738.00	13.38	266.52	5,722.38	-63.81	-291.90	142.46	1.95	1.91	1.88
5,770.00	14.23	265.28	5,753.46	-64.36	-299.51	147.02	2.81	2.66	-3.88
5,802.00	16.09	261.59	5,784.34	-65.33	-307.82	151.71	6.55	5.81	-11.53
5,833.00	18.50	260.04	5,813.94	-66.81	-316.91	156.54	7.91	7.77	-5.00
5,865.00	21.55	258.46	5,844.00	-68.87	-327.67	162.01	9.68	9.53	-4.94
5,897.00	23.47	258.76	5,873.56	-71.28	-339.68	168.03	6.01	6.00	0.94
5,929.00	25.69	259.98	5,902.66	-73.73	-352.77	174.73	7.12	6.94	3.81
5,961.00	27.28	258.83	5,931.30	-76.36	-366.79	181.90	5.22	4.97	-3.59
5,993.00	29.45	257.12	5,959.46	-79.54	-381.66	189.22	7.24	6.78	-5.34
6,024.00	32.06	255.85	5,986.10	-83.25	-397.07	196.48	8.68	8.42	-4.10
6,056.00	33.80	253.56	6,012.96	-87.84	-413.84	203.96	6.69	5.44	-7.16
6,087.00	33.94	252.19	6,038.70	-92.93	-430.35	210.90	2.50	0.45	-4.42
6,117.00	33.83	251.27	6,063.60	-98.17	-446.23	217.31	1.75	-0.37	-3.07
6,147.00	33.49	251.08	6,088.57	-103.54	-461.97	223.53	1.19	-1.13	-0.63
6,177.00	32.98	250.53	6,113.66	-108.94	-477.50	229.59	1.97	-1.70	-1.83
6,207.00	32.35	250.69	6,138.92	-114.32	-492.77	235.50	2.12	-2.10	0.53
6,237.00	32.16	255.56	6,164.29	-118.97	-508.08	241.99	8.68	-0.63	16.23
6,268.00	32.55	262.82	6,190.49	-122.07	-524.35	250.28	12.59	1.26	23.42
6,297.00	33.95	268.73	6,214.75	-123.22	-540.19	259.76	12.17	4.83	20.38
6,327.00	35.61	273.18	6,239.39	-122.92	-557.29	271.16	10.11	5.53	14.83
6,358.00	37.48	276.14	6,264.30	-121.41	-575.68	284.32	8.29	6.03	9.55
6,389.00	38.50	279.36	6,288.73	-118.83	-594.59	298.62	7.19	3.29	10.39
6,418.00	40.30	281.95	6,311.14	-115.42	-612.67	313.02	8.40	6.21	8.93
6,449.00	41.93	285.03	6,334.50	-110.66	-632.48	329.57	8.39	5.26	9.94
6,479.00	43.98	287.89	6,356.46	-104.86	-652.08	346.77	9.43	6.83	9.53
6,509.00	46.12	290.65	6,377.65	-97.85	-672.11	365.17	9.66	7.13	9.20

06/02/2017

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Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Northeast District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,539.00	47.87	292.12	6,398.11	-89.84	-692.54	384.58	6.85	5.83	4.90
6,570.00	49.17	294.13	6,418.65	-80.72	-713.89	405.44	6.42	4.19	6.48
6,600.00	50.93	296.06	6,437.91	-70.96	-734.72	426.43	7.66	5.87	6.43
6,630.00	53.01	298.43	6,456.39	-60.14	-755.72	448.35	9.32	6.93	7.90
6,661.00	55.37	300.78	6,474.53	-47.72	-777.57	472.03	9.78	7.61	7.58
6,691.00	57.80	303.37	6,491.05	-34.42	-798.78	495.96	10.84	8.10	8.63
6,721.00	60.04	305.55	6,506.54	-19.88	-819.96	520.81	9.72	7.47	7.27
6,752.00	61.81	308.39	6,521.61	-3.58	-841.60	547.28	9.83	5.71	9.16
6,782.00	63.51	310.61	6,535.39	13.37	-862.15	573.55	8.68	5.67	7.40
6,813.00	66.09	312.30	6,548.59	31.94	-883.17	601.34	9.67	8.32	5.45
6,843.00	68.29	313.96	6,560.22	50.85	-903.35	628.84	8.93	7.33	5.53
6,873.00	71.32	315.34	6,570.57	70.64	-923.37	656.90	10.98	10.10	4.60
6,903.00	73.92	316.09	6,579.53	91.13	-943.36	685.48	8.99	8.67	2.50
6,933.00	76.36	316.33	6,587.23	112.06	-963.43	714.43	8.17	8.13	0.80
6,964.00	77.87	316.62	6,594.14	133.97	-984.24	744.62	4.96	4.87	0.94
6,994.00	78.63	317.42	6,600.25	155.46	-1,004.26	773.97	3.64	2.53	2.67
7,024.00	79.77	319.40	6,605.87	177.50	-1,023.82	803.43	7.51	3.80	6.60
7,054.00	81.65	321.32	6,610.71	200.30	-1,042.70	833.03	8.90	6.27	6.40
7,084.00	84.35	323.56	6,614.37	223.90	-1,060.85	862.75	11.66	9.00	7.47
7,115.00	85.97	324.76	6,616.98	248.94	-1,078.94	893.52	6.50	5.23	3.87
7,147.00	87.14	324.92	6,618.91	275.05	-1,097.33	925.31	3.69	3.66	0.50
7,178.00	88.82	325.48	6,620.00	300.49	-1,115.01	956.12	5.71	5.42	1.81
7,210.00	89.66	325.82	6,620.42	326.91	-1,133.06	987.91	2.83	2.63	1.06
7,274.00	90.24	325.17	6,620.48	379.65	-1,169.32	1,051.52	1.36	0.91	-1.02
7,337.00	91.07	325.38	6,619.76	431.42	-1,205.20	1,114.17	1.36	1.32	0.33
7,400.00	91.28	323.83	6,618.47	482.77	-1,241.68	1,176.87	2.48	0.33	-2.46
7,463.00	90.87	322.12	6,617.29	533.05	-1,279.61	1,239.72	2.79	-0.65	-2.71
7,527.00	91.21	321.50	6,616.12	583.35	-1,319.17	1,303.64	1.10	0.53	-0.97
7,591.00	90.94	322.00	6,614.92	633.60	-1,358.79	1,367.57	0.89	-0.42	0.78
7,654.00	90.50	323.46	6,614.13	683.73	-1,396.94	1,430.44	2.42	-0.70	2.32
7,718.00	89.90	324.75	6,613.91	735.57	-1,434.46	1,494.20	2.22	-0.94	2.02
7,781.00	91.28	328.74	6,613.26	788.24	-1,469.00	1,556.64	6.70	2.19	6.33
7,845.00	92.42	331.71	6,611.19	843.75	-1,500.76	1,619.41	4.97	1.78	4.64
7,908.00	92.59	330.90	6,608.44	898.96	-1,530.98	1,680.95	1.31	0.27	-1.29
7,972.00	92.42	330.44	6,605.64	954.71	-1,562.30	1,743.61	0.77	-0.27	-0.72
8,036.00	92.79	329.38	6,602.73	1,010.02	-1,594.35	1,806.43	1.75	0.58	-1.66
8,100.00	91.98	327.63	6,600.07	1,064.55	-1,627.76	1,869.53	3.01	-1.27	-2.73
8,163.00	91.04	325.90	6,598.41	1,117.22	-1,662.27	1,931.96	3.12	-1.49	-2.75
8,227.00	90.54	325.32	6,597.53	1,170.03	-1,698.42	1,995.55	1.20	-0.78	-0.91
8,290.00	91.21	325.48	6,596.56	1,221.88	-1,734.19	2,058.17	1.09	1.06	0.25
8,354.00	91.21	325.59	6,595.21	1,274.63	-1,770.40	2,121.77	0.17	0.00	0.17
8,418.00	90.30	326.32	6,594.37	1,327.66	-1,806.22	2,185.31	1.82	-1.42	1.14
8,481.00	90.91	325.44	6,593.70	1,379.81	-1,841.56	2,247.88	1.70	0.97	-1.40
8,545.00	91.04	324.73	6,592.62	1,432.28	-1,878.18	2,311.53	1.13	0.20	-1.11

06/02/2017

Company:	Stone Energy Corporation	**Local Co-ordinate Reference:**	Well Martin 3H - Slot 3H
Project:	Heather Prospect (NAD 27)	**TVD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Site:	Martin Pad	**MD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Well:	Martin 3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Northeast District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,608.00	90.64	325.71	6,591.69	1,484.02	-1,914.12	2,374.18	1.68	-0.63	1.56
8,672.00	91.71	325.73	6,590.38	1,536.89	-1,950.15	2,437.75	1.67	1.67	0.03
8,736.00	91.98	325.73	6,588.32	1,589.75	-1,986.17	2,501.30	0.42	0.42	0.00
8,798.00	91.51	327.05	6,586.43	1,641.36	-2,020.48	2,562.78	2.26	-0.76	2.13
8,862.00	91.04	327.58	6,585.01	1,695.22	-2,055.03	2,626.12	1.11	-0.73	0.83
8,925.00	91.27	327.37	6,583.74	1,748.32	-2,088.90	2,688.45	0.49	0.37	-0.33
8,989.00	90.81	327.42	6,582.58	1,802.23	-2,123.38	2,751.79	0.72	-0.72	0.08
9,053.00	91.68	326.69	6,581.18	1,855.92	-2,158.17	2,815.17	1.77	1.36	-1.14
9,116.00	91.58	326.69	6,579.39	1,908.55	-2,192.76	2,877.61	0.16	-0.16	0.00
9,180.00	90.81	327.23	6,578.06	1,962.19	-2,227.64	2,941.00	1.47	-1.20	0.84
9,244.00	91.24	326.10	6,576.91	2,015.65	-2,262.81	3,004.45	1.89	0.67	-1.77
9,307.00	91.58	325.90	6,575.36	2,067.86	-2,298.02	3,066.99	0.63	0.54	-0.32
9,369.00	90.54	326.46	6,574.22	2,119.36	-2,332.53	3,128.51	1.91	-1.68	0.90
9,432.00	91.28	326.54	6,573.22	2,171.89	-2,367.29	3,190.99	1.18	1.17	0.13
9,496.00	91.68	325.85	6,571.56	2,225.05	-2,402.89	3,254.50	1.25	0.63	-1.08
9,558.00	92.39	326.53	6,569.36	2,276.53	-2,437.37	3,315.99	1.59	1.15	1.10
9,622.00	92.75	327.60	6,566.49	2,330.19	-2,472.13	3,379.33	1.76	0.56	1.67
9,686.00	93.09	327.36	6,563.23	2,384.09	-2,506.49	3,442.58	0.65	0.53	-0.38
9,749.00	91.71	326.34	6,560.59	2,436.79	-2,540.91	3,504.96	2.72	-2.19	-1.62
9,811.00	91.08	325.55	6,559.08	2,488.14	-2,575.62	3,566.51	1.63	-1.02	-1.27
9,875.00	91.61	325.29	6,557.58	2,540.82	-2,611.93	3,630.11	0.92	0.83	-0.41
9,939.00	92.02	324.91	6,555.55	2,593.28	-2,648.53	3,693.74	0.87	0.64	-0.59
10,002.00	90.50	324.23	6,554.17	2,644.60	-2,685.04	3,756.45	2.64	-2.41	-1.08
10,066.00	90.24	324.78	6,553.76	2,696.70	-2,722.20	3,820.17	0.95	-0.41	0.86
10,129.00	90.81	324.95	6,553.18	2,748.22	-2,758.45	3,882.86	0.94	0.90	0.27
10,193.00	91.58	326.36	6,551.84	2,801.05	-2,794.55	3,946.44	2.51	1.20	2.20
10,257.00	91.98	326.93	6,549.86	2,854.48	-2,829.72	4,009.86	1.09	0.63	0.89
10,320.00	90.94	328.02	6,548.25	2,907.58	-2,863.58	4,072.18	2.39	-1.65	1.73
10,383.00	90.37	327.85	6,547.53	2,960.97	-2,897.03	4,134.45	0.94	-0.90	-0.27
10,447.00	90.91	327.39	6,546.81	3,015.01	-2,931.30	4,197.75	1.11	0.84	-0.72
10,511.00	91.48	327.28	6,545.48	3,068.88	-2,965.83	4,261.09	0.91	0.89	-0.17
10,574.00	92.39	326.23	6,543.35	3,121.54	-3,000.35	4,323.51	2.20	1.44	-1.67
10,637.00	93.06	325.93	6,540.36	3,173.76	-3,035.47	4,385.98	1.17	1.06	-0.48
10,701.00	91.38	327.07	6,537.88	3,227.08	-3,070.76	4,449.41	3.17	-2.63	1.78
10,765.00	90.64	327.69	6,536.75	3,280.98	-3,105.26	4,512.75	1.51	-1.16	0.97
10,828.00	91.51	327.86	6,535.57	3,334.27	-3,138.85	4,575.03	1.41	1.38	0.27
10,892.00	92.08	327.29	6,533.56	3,388.26	-3,173.14	4,638.32	1.26	0.89	-0.89
10,956.00	91.65	327.91	6,531.48	3,442.27	-3,207.42	4,701.60	1.18	-0.67	0.97
11,019.00	90.70	329.53	6,530.19	3,496.10	-3,240.12	4,763.71	2.98	-1.51	2.57
11,083.00	90.64	330.31	6,529.44	3,551.47	-3,272.20	4,826.59	1.22	-0.09	1.22
11,146.00	91.21	329.29	6,528.42	3,605.91	-3,303.88	4,888.50	1.85	0.90	-1.62
11,210.00	90.94	329.45	6,527.22	3,660.98	-3,336.48	4,951.48	0.49	-0.42	0.25
11,274.00	91.24	329.57	6,526.01	3,716.12	-3,368.95	5,014.44	0.50	0.47	0.19

06/02/2017

Company:	Stone Energy Corporation	**Local Co-ordinate Reference:**	Well Martin 3H - Slot 3H
Project:	Heather Prospect (NAD 27)	**TVD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Site:	Martin Pad	**MD Reference:**	GL 906 & KB 10 @ 916.00ft (Highlands 2)
Well:	Martin 3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	Northeast District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,337.00	90.98	330.95	6,524.78	3,770.81	-3,400.20	5,076.25	2.23	-0.41	2.19
11,401.00	90.00	331.76	6,524.24	3,826.97	-3,430.87	5,138.81	1.99	-1.53	1.27
11,464.00	90.87	332.59	6,523.76	3,882.68	-3,460.28	5,200.20	1.91	1.38	1.32
11,527.00	92.05	333.00	6,522.15	3,938.69	-3,489.07	5,261.41	1.98	1.87	0.65
11,591.00	91.31	331.51	6,520.28	3,995.31	-3,518.85	5,323.73	2.60	-1.16	-2.33
11,655.00	91.04	331.33	6,518.97	4,051.50	-3,549.46	5,386.26	0.51	-0.42	-0.28
11,718.00	91.17	330.64	6,517.75	4,106.58	-3,580.01	5,447.92	1.11	0.21	-1.10
11,782.00	90.64	329.92	6,516.74	4,162.16	-3,611.74	5,510.72	1.40	-0.83	-1.13
11,845.00	91.68	330.47	6,515.46	4,216.81	-3,643.05	5,572.55	1.87	1.65	0.87
11,909.00	89.70	331.34	6,514.69	4,272.73	-3,674.16	5,635.21	3.38	-3.09	1.36
11,973.00	90.34	330.80	6,514.67	4,328.74	-3,705.12	5,697.83	1.31	1.00	-0.84
Last SDI MWD @ 11973 MD									
12,036.00	91.24	331.39	6,513.80	4,383.89	-3,735.57	5,759.47	1.71	1.43	0.94
Projection to Bit @ 12036 MD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
100.00	100.00	0.01	0.19	First Vaugh Gyro Survey @ 100 MD
2,280.00	2,279.94	5.45	9.53	Last Vaughn Gyro Survey @ 2280 MD
2,280.00	2,279.94	5.45	9.53	First SDI MWD Survey @ 2280 MD
11,973.00	6,514.67	4,328.74	-3,705.12	Last SDI MWD @ 11973 MD
12,036.00	6,513.80	4,383.89	-3,735.57	Projection to Bit @ 12036 MD

Checked By: _____ Approved By: _____ Date: _____

06/02/2017