



Stone Energy Corporation

Heather Prospect (NAD 27)

Martin Pad

Martin 1H - Slot 1H

OH

Design: As Drilled

Standard Survey Report

02 October, 2014

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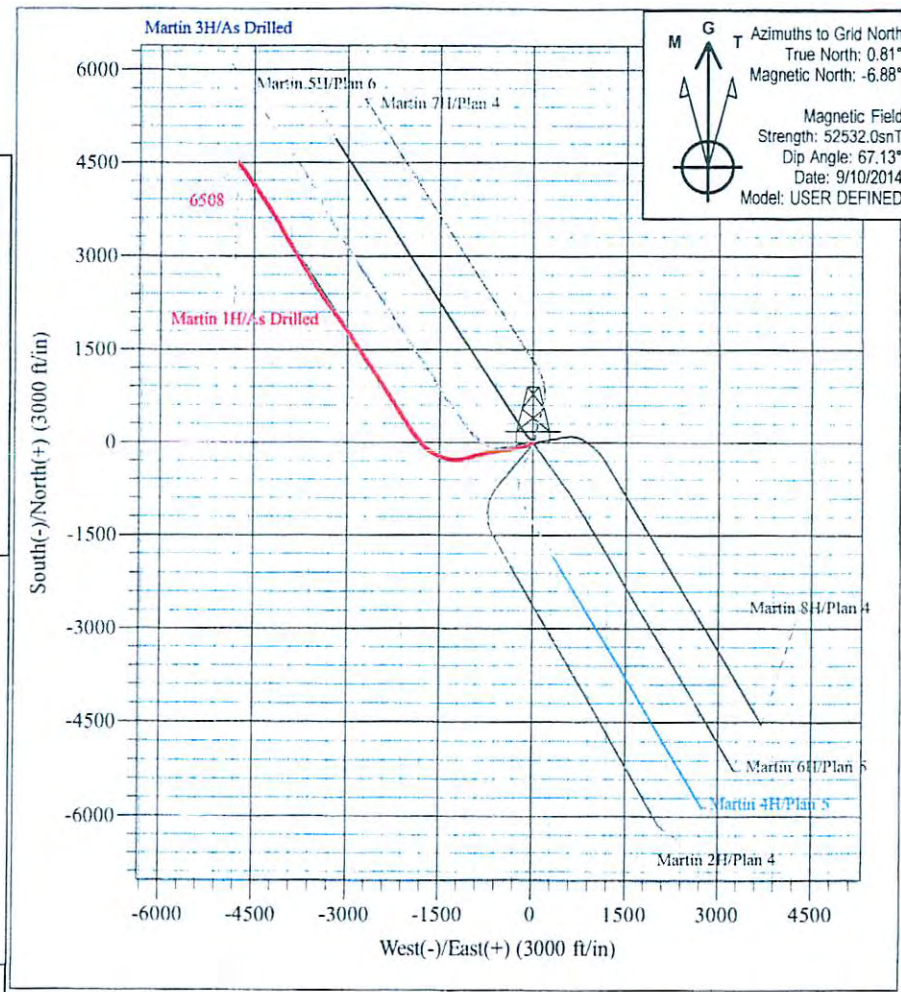
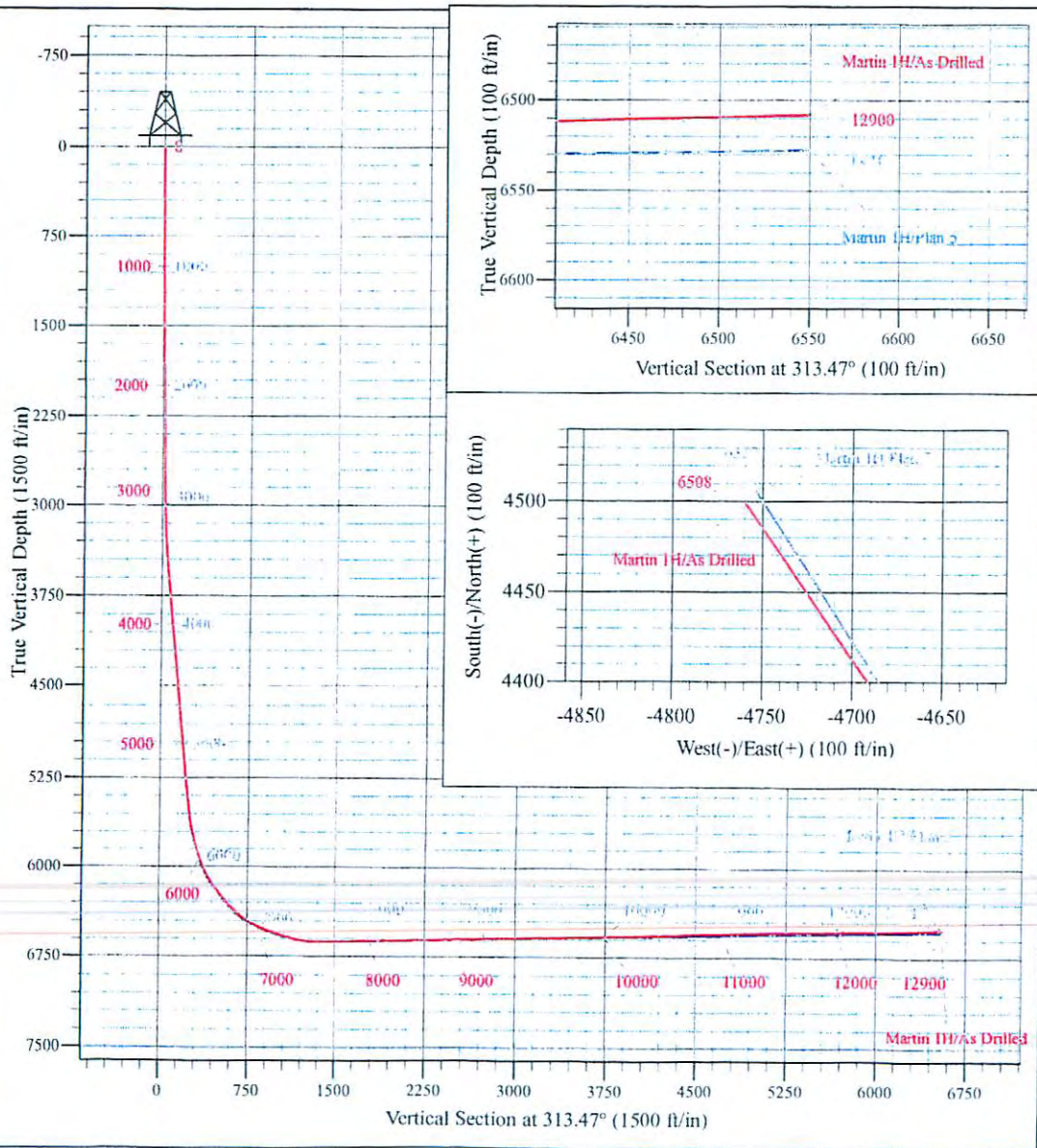
Martin Pad
 Martin 1H
 As Drilled
 GL 906' & KB 18' @ 924.00ft (Saxon 141)
 Heather Prospect (NAD 27)

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



WELL DETAILS: Martin 1H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	407759.00	1643274.00	39° 36' 45.478 N	80° 45' 58.459 W

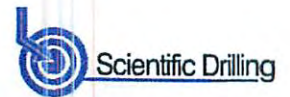


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 124 Vista Drive
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Scientific Drilling International
Survey Report



Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 1H - Slot 1H
Project:	Heather Prospect (NAD 27)	TVD Reference:	GL 906' & KB 18' @ 924.00ft (Saxon 141)
Site:	Martin Pad	MD Reference:	GL 906' & KB 18' @ 924.00ft (Saxon 141)
Well:	Martin 1H	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 1H - Slot 1H					
Well Position	+N-S	0.00 ft	Northing:	407,759.00 usft	Latitude:	39° 36' 45.478 N
	+E-W	0.00 ft	Easting:	1,643,274.00 usft	Longitude:	80° 45' 58.459 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	4/11/2014	-8.59	67.11	52,434
	User Defined	9/10/2014	-7.69	67.13	52,532

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	313.47	

Survey Program	Date	10/2/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
108.00	2,238.00	Survey #1 - 9-5/8" Intermediate Casing Su	VES GyroFlex		
2,404.00	5,387.00	Survey #2 - SDI MWD Surveys to KOP 8-3	SDI MWD	SDI MWD - Standard ver 1.0.1	
5,413.00	12,900.00	Survey #3 - SDI MWD 8-3/4 Hole (OH)	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	
108.00	0.27	277.00	108.00	0.03	-0.25	0.20	0.25	0.25	0.00	
First Vaughn Gyro Survey @ 108 MD										
208.00	0.15	264.26	208.00	0.05	-0.62	0.48	0.13	-0.12	-12.74	
308.00	0.08	259.35	308.00	0.02	-0.82	0.61	0.07	-0.07	-4.91	
408.00	0.28	280.06	408.00	0.05	-1.12	0.85	0.21	0.20	20.71	
508.00	0.22	303.24	508.00	0.20	-1.53	1.24	0.12	-0.06	23.18	

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Site:	Martin Pad	MD Reference:	GL 906' & KB 18' @ 924.00ft (Saxon 141)
Well:	Martin 1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Northeast District

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)
608.00	0.10	348.40	608.00	0.39	-1.70	1.50	0.17	-0.12	45.16
708.00	0.06	356.52	708.00	0.53	-1.72	1.61	0.04	-0.04	8.12
808.00	0.18	332.43	808.00	0.72	-1.80	1.80	0.13	0.12	-24.09
908.00	0.16	329.79	908.00	0.98	-1.94	2.08	0.02	-0.02	-2.64
1,008.00	0.47	320.10	1,007.99	1.41	-2.28	2.62	0.31	0.31	-9.69
1,108.00	0.53	321.02	1,107.99	2.09	-2.83	3.49	0.06	0.06	0.92
1,208.00	0.41	324.55	1,207.99	2.74	-3.33	4.30	0.12	-0.12	3.53
1,308.00	0.56	320.89	1,307.98	3.41	-3.85	5.14	0.15	0.15	-3.66
1,408.00	0.28	321.32	1,407.98	3.98	-4.31	5.86	0.28	-0.28	0.43
1,508.00	0.30	293.14	1,507.98	4.27	-4.70	6.35	0.14	0.02	-28.18
1,608.00	0.34	294.48	1,607.98	4.50	-5.21	6.88	0.04	0.04	1.34
1,708.00	0.37	297.87	1,707.98	4.77	-5.77	7.47	0.04	0.03	3.39
1,808.00	0.20	320.27	1,807.97	5.06	-6.16	7.95	0.20	-0.17	22.40
1,908.00	0.61	10.96	1,907.97	5.71	-6.17	8.41	0.51	0.41	50.69
2,008.00	0.94	26.27	2,007.96	6.97	-5.71	8.94	0.39	0.33	15.31
2,108.00	1.10	25.36	2,107.95	8.58	-4.93	9.48	0.16	0.16	-0.91
2,208.00	1.31	13.56	2,207.93	10.55	-4.26	10.35	0.32	0.21	-11.80
2,238.00	1.27	6.88	2,237.92	11.22	-4.14	10.72	0.52	-0.13	-22.27
Last Vaughn Gyro Survey @ 2238 MD									
2,404.00	0.76	295.27	2,403.90	13.51	-4.91	12.86	0.76	-0.31	-43.14
First SDI MWD Survey @ 2404 MD									
2,498.00	2.38	247.79	2,497.86	13.04	-7.28	14.26	2.07	1.72	-50.51
2,592.00	3.28	239.65	2,591.75	10.95	-11.41	15.81	1.05	0.96	-8.66
2,686.00	4.10	244.79	2,685.55	8.16	-16.77	17.78	0.94	0.87	5.47
2,780.00	5.13	251.25	2,779.25	5.37	-23.79	20.96	1.23	1.10	6.87
2,874.00	4.83	239.86	2,872.89	2.04	-31.19	24.04	1.10	-0.32	-12.12
2,968.00	5.40	227.10	2,966.52	-2.96	-37.86	25.44	1.35	0.61	-13.57
3,063.00	6.84	229.54	3,060.98	-9.68	-45.43	26.32	1.54	1.52	2.57
3,157.00	8.16	233.99	3,154.17	-17.23	-55.09	28.13	1.53	1.40	4.73
3,251.00	8.87	240.82	3,247.14	-24.69	-66.81	31.51	1.31	0.76	7.27
3,345.00	10.21	241.89	3,339.84	-32.15	-80.49	36.30	1.44	1.43	1.14
3,441.00	10.76	246.19	3,434.23	-39.77	-96.19	42.46	1.00	0.57	4.48
3,535.00	10.94	254.37	3,526.56	-45.72	-112.81	50.43	1.65	0.19	8.70
3,629.00	11.14	257.28	3,618.82	-50.12	-130.26	60.06	0.63	0.21	3.10
3,722.00	10.73	254.71	3,710.13	-54.38	-147.38	69.55	0.68	-0.44	-2.76
3,816.00	9.73	257.05	3,802.64	-58.47	-163.56	78.48	1.15	-1.06	2.49
3,910.00	9.02	258.51	3,895.38	-61.72	-178.52	87.11	0.80	-0.76	1.55
4,004.00	9.41	257.27	3,988.17	-64.88	-193.24	95.62	0.47	0.41	-1.32
4,098.00	9.98	254.13	4,080.82	-68.80	-208.57	104.05	0.83	0.61	-3.34
4,192.00	9.65	255.34	4,173.45	-73.02	-224.02	112.36	0.41	-0.35	1.29
4,289.00	10.10	259.40	4,269.01	-76.64	-240.25	121.64	0.85	0.46	4.19
4,383.00	9.75	259.14	4,361.61	-79.66	-256.17	131.12	0.38	-0.37	-0.28
4,477.00	9.74	254.09	4,454.25	-83.34	-271.63	139.82	0.91	-0.01	-5.37
4,571.00	9.57	250.84	4,546.92	-88.08	-286.66	147.46	0.61	-0.18	-3.46

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Scientific Drilling International
Survey Report



Company: Stone Energy Corporation
Project: Heather Prospect (NAD 27)
Site: Martin Pad
Well: Martin 1H
Wellbore: OH
Design: As Drilled

Local Co-ordinate Reference: Well Martin 1H - Slot 1H
TVD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
MD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
4,666.00	9.92	255.27	4,640.55	-92.76	-302.03	155.40	0.87	0.37	4.66
4,760.00	9.86	260.44	4,733.16	-96.15	-317.80	164.51	0.95	-0.06	5.50
4,854.00	9.60	260.33	4,825.80	-98.81	-333.47	174.05	0.28	-0.28	-0.12
4,948.00	9.65	258.35	4,918.48	-101.71	-348.91	183.26	0.36	0.05	-2.11
5,042.00	9.65	260.98	5,011.15	-104.54	-364.41	192.57	0.47	0.00	2.80
5,136.00	9.48	260.54	5,103.84	-107.05	-379.82	202.03	0.20	-0.18	-0.47
5,230.00	9.27	259.21	5,196.59	-109.74	-394.90	211.12	0.32	-0.22	-1.41
5,325.00	9.72	262.89	5,290.29	-112.16	-410.37	220.68	0.80	0.47	3.87
5,387.00	10.03	263.55	5,351.37	-113.42	-420.93	227.48	0.53	0.50	1.06
5,413.00	10.05	263.82	5,376.97	-113.91	-425.43	230.41	0.20	0.08	1.04
5,476.00	10.07	264.30	5,439.00	-115.05	-436.38	237.57	0.14	0.03	0.76
5,540.00	9.89	263.16	5,502.03	-116.26	-447.40	244.74	0.42	-0.28	-1.78
5,572.00	10.21	261.74	5,533.54	-117.00	-452.94	248.25	1.26	1.00	-4.44
5,604.00	11.30	262.31	5,564.98	-117.82	-458.85	251.97	3.42	3.41	1.78
5,635.00	13.84	263.44	5,595.23	-118.65	-465.55	256.26	8.23	8.19	3.65
5,667.00	16.45	263.68	5,626.12	-119.59	-473.86	261.65	8.16	8.16	0.75
5,699.00	18.62	263.83	5,656.63	-120.64	-483.44	267.88	6.78	6.78	0.47
5,731.00	19.14	263.63	5,686.91	-121.77	-493.73	274.57	1.64	1.63	-0.63
5,763.00	19.40	262.94	5,717.12	-123.01	-504.22	281.34	1.08	0.81	-2.16
5,795.00	20.94	262.01	5,747.15	-124.45	-515.16	288.28	4.92	4.81	-2.91
5,827.00	22.70	261.50	5,776.86	-126.16	-526.93	295.65	5.53	5.50	-1.59
5,859.00	24.69	260.78	5,806.16	-128.14	-539.63	303.50	6.28	6.22	-2.25
5,891.00	26.48	260.52	5,835.02	-130.39	-553.27	311.85	5.60	5.59	-0.81
5,922.00	28.70	260.05	5,862.50	-132.82	-567.42	320.46	7.20	7.16	-1.52
5,954.00	30.26	259.80	5,890.35	-135.57	-582.92	329.81	4.89	4.88	-0.78
5,986.00	32.12	257.89	5,917.73	-138.78	-599.18	339.40	6.58	5.81	-5.97
6,018.00	33.79	258.39	5,944.58	-142.36	-616.21	349.30	5.29	5.22	1.56
6,050.00	36.29	258.69	5,970.77	-146.01	-634.22	359.86	7.83	7.81	0.94
6,081.00	38.50	258.73	5,995.40	-149.69	-652.68	370.73	7.13	7.13	0.13
6,113.00	40.61	257.56	6,020.07	-153.88	-672.62	382.32	6.99	6.59	-3.66
6,145.00	42.14	256.93	6,044.08	-158.56	-693.25	394.07	4.96	4.78	-1.97
6,177.00	44.45	255.72	6,067.37	-163.75	-714.57	405.98	7.67	7.22	-3.78
6,209.00	46.60	255.68	6,089.79	-169.39	-736.69	418.15	6.72	6.72	-0.13
6,240.00	49.41	255.15	6,110.53	-175.19	-758.99	430.34	9.15	9.06	-1.71
6,272.00	51.24	255.35	6,130.96	-181.46	-782.80	443.31	5.74	5.72	0.63
6,303.00	53.41	255.40	6,149.91	-187.66	-806.54	456.28	7.00	7.00	0.16
6,335.00	54.40	255.18	6,168.76	-194.22	-831.55	469.92	3.14	3.09	-0.69
6,366.00	55.61	255.47	6,186.54	-200.65	-856.12	483.32	3.98	3.90	0.94
6,398.00	57.54	254.91	6,204.16	-207.48	-881.94	497.36	6.21	6.03	-1.75
6,430.00	59.01	254.89	6,220.99	-214.57	-908.21	511.56	4.59	4.59	-0.06
6,462.00	59.05	254.39	6,237.46	-221.84	-934.67	525.76	1.35	0.13	-1.56
6,494.00	59.34	255.12	6,253.84	-229.07	-961.19	540.04	2.16	0.91	2.28
6,526.00	58.93	254.96	6,270.26	-236.16	-987.73	554.42	1.35	-1.28	-0.50



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Survey Report



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Site: Martin Pad
Well: Martin 1H
Wellbore: OH
Design: As Drilled

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TVD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
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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)
6,558.00	59.66	254.41	6,286.60	-243.43	-1,014.26	568.68	2.72	2.28	-1.72
6,590.00	60.93	254.16	6,302.46	-250.95	-1,041.02	582.92	4.03	3.97	-0.78
6,621.00	61.89	254.27	6,317.29	-258.36	-1,067.21	596.83	3.11	3.10	0.35
6,653.00	61.87	254.30	6,332.37	-266.00	-1,094.38	611.29	0.10	-0.06	0.09
6,684.00	62.00	255.77	6,346.96	-273.07	-1,120.81	625.61	4.21	0.42	4.74
6,716.00	61.67	259.76	6,362.07	-279.04	-1,148.37	641.51	11.04	-1.03	12.47
6,748.00	61.09	263.38	6,377.40	-283.16	-1,176.15	658.83	10.09	-1.81	11.31
6,780.00	60.73	267.02	6,392.96	-285.50	-1,204.01	677.44	10.00	-1.13	11.38
6,812.00	61.18	269.92	6,408.50	-286.25	-1,231.97	697.22	8.05	1.41	9.06
6,843.00	61.83	272.71	6,423.29	-285.62	-1,259.20	717.42	8.18	2.10	9.00
6,875.00	62.49	275.87	6,438.24	-283.50	-1,287.41	739.35	8.97	2.06	9.88
6,906.00	63.13	277.78	6,452.40	-280.23	-1,314.79	761.48	5.86	2.06	6.16
6,936.00	63.89	279.49	6,465.79	-276.19	-1,341.33	783.52	5.70	2.53	5.70
6,966.00	64.86	281.14	6,478.76	-271.35	-1,367.94	806.16	5.92	3.23	5.50
6,996.00	66.62	283.57	6,491.09	-265.49	-1,394.66	829.58	9.43	5.87	8.10
7,026.00	68.11	286.06	6,502.64	-258.41	-1,421.42	853.88	9.13	4.97	8.30
7,056.00	69.30	288.34	6,513.53	-250.14	-1,448.12	878.94	8.12	3.97	7.60
7,087.00	70.65	291.00	6,524.15	-240.34	-1,475.54	905.59	9.16	4.35	8.58
7,117.00	71.65	294.00	6,533.84	-229.47	-1,501.77	932.10	10.03	3.33	10.00
7,148.00	71.97	296.12	6,543.52	-217.00	-1,528.44	960.04	6.58	1.03	6.84
7,178.00	72.15	298.31	6,552.76	-203.95	-1,553.82	987.44	6.97	0.60	7.30
7,208.00	72.04	299.68	6,561.99	-190.11	-1,578.79	1,015.08	4.36	-0.37	4.57
7,238.00	72.58	301.82	6,571.10	-175.50	-1,603.35	1,042.96	7.03	1.80	7.13
7,268.00	73.25	303.59	6,579.92	-160.00	-1,627.48	1,071.13	6.07	2.23	5.90
7,299.00	74.45	305.68	6,588.54	-143.08	-1,651.98	1,100.55	7.54	3.87	6.74
7,329.00	76.62	307.37	6,596.03	-125.79	-1,675.32	1,129.38	9.06	7.23	5.63
7,359.00	79.28	309.08	6,602.30	-107.64	-1,698.36	1,158.60	10.47	8.87	5.70
7,389.00	81.46	310.52	6,607.32	-88.71	-1,721.08	1,188.11	8.67	7.27	4.80
7,419.00	83.62	312.36	6,611.21	-69.02	-1,743.38	1,217.83	9.42	7.20	6.13
7,450.00	85.06	314.61	6,614.27	-47.79	-1,765.76	1,248.68	8.59	4.65	7.26
7,480.00	86.71	317.08	6,616.42	-26.33	-1,786.60	1,278.57	9.88	5.50	8.23
7,510.00	88.49	318.88	6,617.68	-4.06	-1,806.66	1,308.45	8.43	5.93	6.00
7,541.00	88.96	320.71	6,618.37	19.61	-1,826.67	1,339.25	6.09	1.52	5.90
7,601.00	89.60	321.66	6,619.12	66.35	-1,864.27	1,398.70	1.91	1.07	1.58
7,662.00	90.17	324.17	6,619.24	115.01	-1,901.05	1,458.87	4.22	0.93	4.11
7,722.00	90.81	325.27	6,618.73	163.99	-1,935.70	1,517.71	2.12	1.07	1.83
7,783.00	91.24	325.02	6,617.64	214.04	-1,970.56	1,577.44	0.82	0.70	-0.41
7,842.00	90.87	326.11	6,616.55	262.69	-2,003.92	1,635.12	1.95	-0.63	1.85
7,903.00	91.38	325.53	6,615.36	313.14	-2,038.18	1,694.70	1.27	0.84	-0.95
7,967.00	91.51	325.95	6,613.74	366.02	-2,074.19	1,757.21	0.69	0.20	0.66
8,031.00	91.54	327.76	6,612.04	419.59	-2,109.17	1,819.45	2.83	0.05	2.83
8,094.00	92.08	328.65	6,610.05	473.11	-2,142.35	1,880.34	1.65	0.86	1.41
8,158.00	91.98	328.26	6,607.78	527.62	-2,175.81	1,942.13	0.63	-0.16	-0.61
8,220.00	90.94	327.33	6,606.20	580.06	-2,208.84	2,002.18	2.25	-1.68	-1.50



Scientific Drilling International
Survey Report



Company: Stone Energy Corporation
Project: Heather Prospect (NAD 27)
Site: Martin Pad
Well: Martin 1H
Wellbore: OH
Design: As Drilled

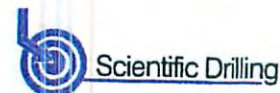
Local Co-ordinate Reference: Well Martin 1H - Slot 1H
TVD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
MD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Northeast District

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)
8,284.00	90.77	326.95	6,605.25	633.81	-2,243.57	2,064.36	0.65	-0.27	-0.59
8,347.00	90.87	327.10	6,604.35	686.66	-2,277.85	2,125.60	0.29	0.16	0.24
8,410.00	91.41	327.06	6,603.09	739.53	-2,312.08	2,186.81	0.86	0.86	-0.06
8,474.00	90.91	326.83	6,601.80	793.16	-2,346.98	2,249.04	0.86	-0.78	-0.36
8,538.00	90.30	327.21	6,601.12	846.85	-2,381.82	2,311.25	1.12	-0.95	0.59
8,601.00	91.17	327.82	6,600.31	899.98	-2,415.65	2,372.36	1.69	1.38	0.97
8,665.00	91.58	327.84	6,598.78	954.14	-2,449.72	2,434.34	0.64	0.64	0.03
8,728.00	90.44	327.58	6,597.67	1,007.39	-2,483.37	2,495.39	1.86	-1.81	-0.41
8,792.00	90.77	327.34	6,596.99	1,061.34	-2,517.79	2,557.49	0.64	0.52	-0.38
8,856.00	90.94	326.75	6,596.04	1,115.04	-2,552.60	2,619.69	0.96	0.27	-0.92
8,919.00	91.17	325.66	6,594.88	1,167.38	-2,587.64	2,681.13	1.77	0.37	-1.73
8,983.00	91.54	324.14	6,593.36	1,219.73	-2,624.43	2,743.84	2.44	0.58	-2.38
9,047.00	91.71	324.67	6,591.55	1,271.75	-2,661.66	2,806.65	0.87	0.27	0.83
9,109.00	91.51	326.12	6,589.81	1,322.76	-2,696.86	2,867.29	2.36	-0.32	2.34
9,172.00	91.81	327.14	6,587.98	1,375.35	-2,731.49	2,928.61	1.69	0.48	1.62
9,236.00	91.61	327.98	6,586.07	1,429.34	-2,765.81	2,990.65	1.35	-0.31	1.31
9,298.00	90.80	328.14	6,584.77	1,481.94	-2,798.60	3,050.64	1.33	-1.31	0.26
9,360.00	91.64	328.55	6,583.45	1,534.70	-2,831.13	3,110.55	1.51	1.35	0.66
9,424.00	91.07	327.33	6,581.93	1,586.92	-2,865.09	3,172.50	2.10	-0.89	-1.91
9,487.00	89.93	327.13	6,581.38	1,641.89	-2,899.19	3,233.68	1.84	-1.81	-0.32
9,551.00	90.54	327.12	6,581.12	1,695.64	-2,933.93	3,295.87	0.95	0.95	-0.02
9,614.00	90.84	325.70	6,580.36	1,748.12	-2,968.78	3,357.27	2.30	0.43	-2.25
9,678.00	91.07	324.69	6,579.30	1,800.66	-3,005.31	3,419.92	1.62	0.36	-1.58
9,742.00	91.21	324.89	6,578.02	1,852.94	-3,042.20	3,482.66	0.38	0.22	0.31
9,805.00	91.21	325.77	6,576.69	1,904.74	-3,078.03	3,544.30	1.40	0.00	1.40
9,869.00	91.71	325.31	6,575.06	1,957.50	-3,114.23	3,606.86	1.06	0.78	-0.72
9,933.00	91.57	324.18	6,573.23	2,009.73	-3,151.16	3,669.60	1.78	-0.22	-1.77
9,997.00	90.94	322.90	6,571.83	2,061.19	-3,189.18	3,732.60	2.23	-0.98	-2.00
10,060.00	91.24	322.96	6,570.63	2,111.45	-3,227.15	3,794.73	0.49	0.48	0.10
10,124.00	91.85	325.16	6,568.90	2,163.25	-3,264.70	3,857.61	3.57	0.95	3.44
10,188.00	91.14	324.86	6,567.23	2,215.66	-3,301.38	3,920.29	1.20	-1.11	-0.47
10,251.00	91.01	323.72	6,566.05	2,266.81	-3,338.15	3,982.16	1.82	-0.21	-1.81
10,314.00	90.97	324.19	6,564.96	2,317.74	-3,375.21	4,044.10	0.75	-0.06	0.75
10,378.00	90.64	324.30	6,564.06	2,369.67	-3,412.61	4,106.96	0.54	-0.52	0.17
10,442.00	90.84	325.53	6,563.24	2,422.04	-3,449.39	4,169.68	1.95	0.31	1.92
10,505.00	91.84	328.34	6,561.76	2,474.81	-3,483.75	4,230.93	4.73	1.59	4.46
10,568.00	92.15	329.49	6,559.57	2,528.73	-3,516.26	4,291.61	1.89	0.49	1.83
10,631.00	92.62	329.79	6,556.95	2,583.04	-3,548.07	4,352.07	0.88	0.75	0.48
10,695.00	92.58	329.37	6,554.05	2,638.18	-3,580.44	4,413.49	0.66	-0.06	-0.66
10,758.00	92.41	329.43	6,551.30	2,692.35	-3,612.48	4,474.01	0.29	-0.27	0.10
10,822.00	92.72	329.07	6,548.44	2,747.30	-3,645.17	4,535.54	0.74	0.48	-0.56
10,886.00	91.91	329.22	6,545.85	2,802.20	-3,677.97	4,597.10	1.29	-1.27	0.23
10,949.00	91.21	329.26	6,544.14	2,856.31	-3,710.18	4,657.71	1.11	-1.11	0.06



Scientific Drilling International
Survey Report



Company: Stone Energy Corporation
Project: Heather Prospect (NAD 27)
Site: Martin Pad
Well: Martin 1H
Wellbore: OH
Design: As Drilled

Local Co-ordinate Reference: Well Martin 1H - Slot 1H
TVD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
MD Reference: GL 906' & KB 18' @ 924.00ft (Saxon 141)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
11,013.00	91.64	328.52	6,542.55	2,911.09	-3,743.23	4,719.38	1.34	0.67	-1.16
11,077.00	91.46	327.56	6,540.80	2,965.37	-3,777.10	4,781.30	1.52	-0.25	-1.50
11,140.00	89.73	327.28	6,540.14	3,018.45	-3,811.02	4,842.44	2.81	-2.78	-0.44
11,204.00	90.50	327.80	6,540.01	3,072.45	-3,845.37	4,904.51	1.45	1.20	0.81
11,268.00	91.27	327.95	6,539.02	3,126.64	-3,879.40	4,966.49	1.23	1.20	0.23
11,332.00	92.08	328.54	6,537.15	3,181.04	-3,913.06	5,028.35	1.57	1.27	0.92
11,395.00	92.15	328.22	6,534.83	3,234.65	-3,946.07	5,089.18	0.52	0.11	-0.51
11,458.00	90.80	329.06	6,533.21	3,288.43	-3,978.84	5,149.97	2.52	-2.14	1.33
11,521.00	91.01	330.52	6,532.21	3,342.86	-4,010.54	5,210.42	2.34	0.33	2.32
11,585.00	91.71	331.30	6,530.69	3,398.77	-4,041.65	5,271.46	1.64	1.09	1.22
11,648.00	90.27	331.04	6,529.60	3,453.96	-4,072.02	5,331.46	2.32	-2.29	-0.41
11,712.00	89.63	330.99	6,529.66	3,509.94	-4,103.03	5,392.48	1.00	-1.00	-0.08
11,776.00	90.30	330.43	6,529.70	3,565.76	-4,134.34	5,453.60	1.36	1.05	-0.88
11,840.00	90.17	329.20	6,529.43	3,621.08	-4,166.52	5,515.02	1.93	-0.20	-1.92
11,904.00	90.91	329.63	6,528.83	3,676.17	-4,199.08	5,576.55	1.34	1.16	0.67
11,967.00	92.35	329.44	6,527.04	3,730.45	-4,231.01	5,637.06	2.31	2.29	-0.30
12,031.00	91.78	326.79	6,524.73	3,784.75	-4,264.79	5,698.93	4.23	-0.89	-4.14
12,095.00	91.01	324.93	6,523.18	3,837.70	-4,300.70	5,761.42	3.14	-1.20	-2.91
12,158.00	91.54	324.72	6,521.77	3,889.19	-4,336.98	5,823.17	0.90	0.84	-0.33
12,222.00	89.90	325.02	6,520.97	3,941.52	-4,373.81	5,885.90	2.61	-2.56	0.47
12,285.00	88.79	325.01	6,521.69	3,993.13	-4,409.92	5,947.62	1.76	-1.76	-0.02
12,349.00	89.36	324.80	6,522.72	4,045.49	-4,446.72	6,010.34	0.95	0.89	-0.33
12,413.00	89.83	324.44	6,523.17	4,097.67	-4,483.77	6,073.13	0.93	0.73	-0.56
12,476.00	91.78	326.19	6,522.29	4,149.47	-4,519.61	6,134.78	4.16	3.10	2.78
12,539.00	92.45	326.03	6,519.96	4,201.73	-4,554.72	6,196.21	1.09	1.06	-0.25
12,603.00	92.45	325.63	6,517.23	4,254.63	-4,590.63	6,258.66	0.62	0.00	-0.63
12,666.00	91.78	325.03	6,514.90	4,306.41	-4,626.44	6,320.28	1.43	-1.06	-0.95
12,730.00	92.62	325.39	6,512.45	4,358.93	-4,662.93	6,382.89	1.43	1.31	0.56
12,792.00	91.07	325.39	6,510.45	4,409.93	-4,698.13	6,443.52	2.50	-2.50	0.00
12,838.00	91.31	325.36	6,509.50	4,447.77	-4,724.26	6,488.52	0.53	0.52	-0.07
Last SDI MWD @ 12838 MD									
12,900.00	91.31	325.36	6,508.08	4,498.77	-4,759.49	6,549.17	0.00	0.00	0.00
Projection to Bit @ 12900 MD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
923.00	Surface Casing		13-3/8	17-1/2
2,229.00	Intermediate Casing		9-5/8	12-1/4

Received
Office of Oil & Gas

MAY 8 2017

06/02/2017