



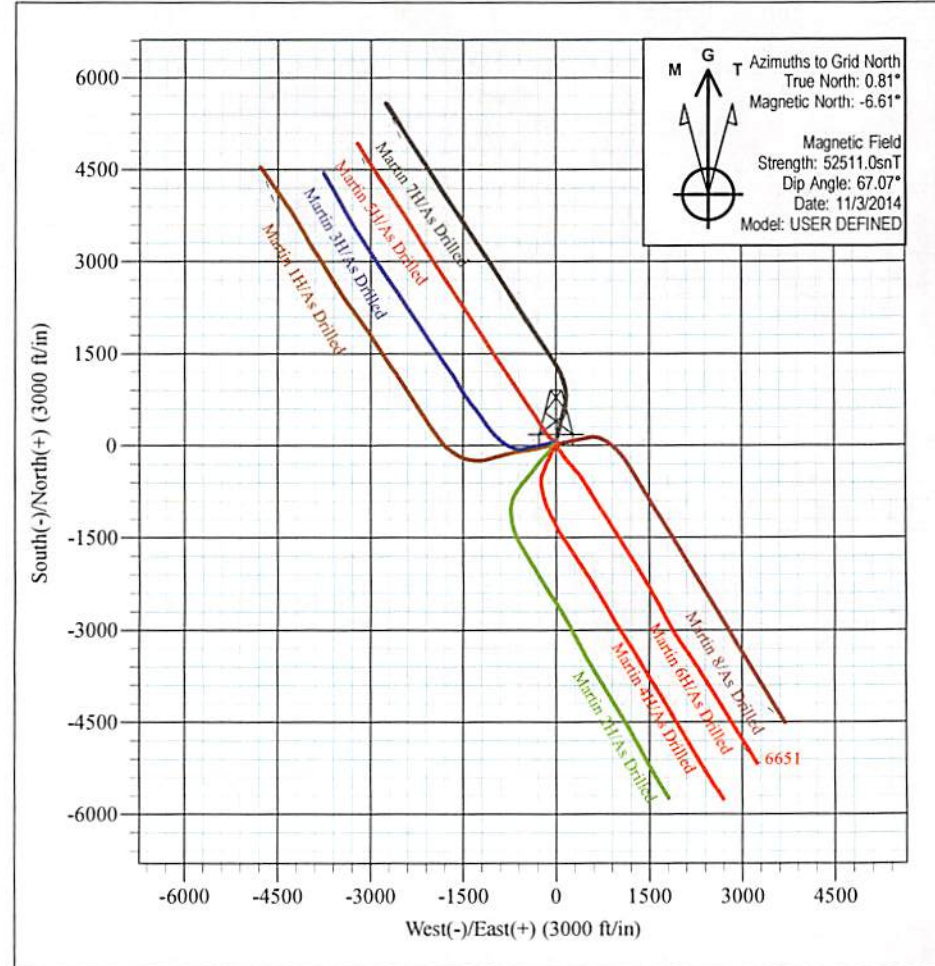
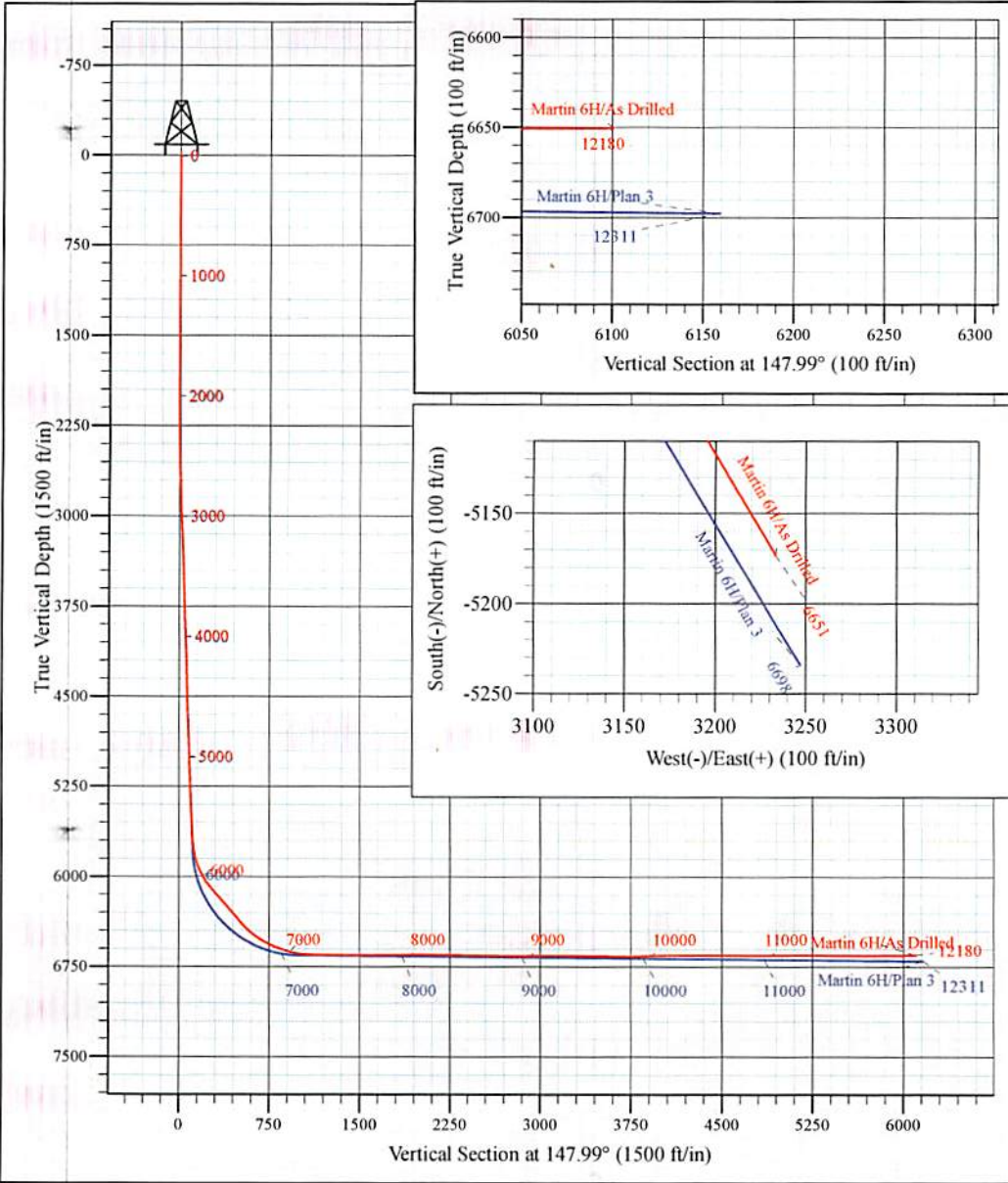
Martin Pad
 Martin 6H
 As Drilled
 GL 906 & KB 18 @ 924.00ft (Saxon 141)
 Heather Prospect (NAD 27)

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 6H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	407720.00	1643296.00	39° 36' 45.096 N	80° 45' 58.171 W	6H



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Tim Bouman
 17:37, November 25 2014
 Scientific Drilling International
 124 Vista Drive
 Charleroi, PA 15022

Stone Energy Corporation

Heather Prospect (NAD 27)

Martin Pad

Martin 6H - Slot 6H

OH

Design: As Drilled

Standard Survey Report

01 December, 2014



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Scientific Drilling Survey Report

Company: Stone Energy Corporation	Local Co-ordinate Reference: Well Martin 6H - Slot 6H
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 6H	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 6H - Slot 6H			
Well Position	+N/-S 0.00 ft	Northing: 407,720.00 usft	Latitude: 39° 36' 45.096 N
	+E/-W 0.00 ft	Easting: 1,643,296.00 usft	Longitude: 80° 45' 58.171 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
	BGGM2013	4/15/2014	-8.59	67.10	52,433
	BGGM2014	6/11/2014	-8.54	67.12	52,420
	User Defined	9/10/2014	-7.69	67.13	52,532
	User Defined	9/29/2014	-7.69	67.12	52,524
	User Defined	11/3/2014	-7.42	67.07	52,511

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Design As Drilled			
Audit Notes:			
Version: 1.0	Phase: ACTUAL	Tie On Depth:	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.00	0.00	0.00
			147.99

Survey Program		Date 12/1/2014
From (ft)	To (ft)	Survey (Wellbore)
18.00	2,228.00	Survey 1 - SDI Gyro (OH)
2,305.00	12,180.00	Survey 2 - SDI MWD (OH)
Tool Name	Description	
SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
SDI MWD	SDI MWD - Standard ver 1.0.1	

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	
18.00	0.00	360.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ground Level										
108.00	0.08	277.50	108.00	0.01	-0.06	-0.04	0.09	0.09	0.00	
First SDI Gyro Survey										

Scientific Drilling Survey Report

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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 6H	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)	
208.00	0.02	239.08	208.00	0.01	-0.15	-0.08	0.07	-0.06	-38.42	
308.00	0.03	215.21	308.00	-0.02	-0.18	-0.07	0.01	0.01	-23.87	
408.00	0.14	237.45	408.00	-0.11	-0.29	-0.06	0.11	0.11	22.24	
508.00	0.15	266.90	508.00	-0.18	-0.53	-0.13	0.07	0.01	29.45	
608.00	0.19	301.68	608.00	-0.10	-0.80	-0.34	0.11	0.04	34.78	
708.00	0.19	337.67	708.00	0.14	-1.00	-0.65	0.12	0.00	35.99	
808.00	0.09	26.68	808.00	0.36	-1.03	-0.85	0.15	-0.10	49.01	
908.00	0.33	25.17	908.00	0.69	-0.87	-1.05	0.24	0.24	-1.51	
943.00	0.49	24.92	943.00	0.92	-0.77	-1.19	0.46	0.46	-0.71	
1,008.00	0.38	32.24	1,007.99	1.35	-0.54	-1.43	0.19	-0.17	11.26	
1,108.00	0.40	27.27	1,107.99	1.94	-0.20	-1.75	0.04	0.02	-4.97	
1,208.00	0.60	31.13	1,207.99	2.70	0.23	-2.17	0.20	0.20	3.86	
1,258.00	0.65	24.30	1,257.99	3.19	0.48	-2.45	0.18	0.10	-13.66	
1,308.00	0.39	25.43	1,307.98	3.60	0.67	-2.69	0.52	-0.52	2.26	
1,408.00	0.06	25.67	1,407.98	3.95	0.84	-2.91	0.33	-0.33	0.24	
1,508.00	0.19	32.12	1,507.98	4.14	0.95	-3.01	0.13	0.13	6.45	
1,608.00	0.35	36.98	1,607.98	4.52	1.22	-3.19	0.16	0.16	4.86	
1,708.00	0.40	33.76	1,707.98	5.06	1.60	-3.44	0.05	0.05	-3.22	
1,808.00	0.46	24.52	1,807.98	5.71	1.96	-3.81	0.09	0.06	-9.24	
1,908.00	0.54	27.55	1,907.97	6.50	2.35	-4.27	0.08	0.08	3.03	
2,008.00	0.79	25.44	2,007.97	7.54	2.86	-4.88	0.25	0.25	-2.11	
2,043.00	0.79	26.16	2,042.96	7.97	3.07	-5.13	0.03	0.00	2.06	
2,108.00	0.66	22.00	2,107.96	8.72	3.41	-5.59	0.22	-0.20	-6.40	
2,208.00	0.79	24.30	2,207.95	9.88	3.91	-6.31	0.13	0.13	2.30	
2,228.00	0.69	26.98	2,227.95	10.12	4.02	-6.45	0.53	-0.50	13.40	
Last SDI Gyro Survey										
2,305.00	0.49	19.51	2,304.94	10.84	4.34	-6.89	0.28	-0.26	-9.70	
First SDI MWD Survey										
2,399.00	1.35	105.43	2,398.93	10.92	5.54	-6.33	1.49	0.91	91.40	
2,494.00	1.97	118.53	2,493.89	9.85	8.06	-4.08	0.76	0.65	13.79	
2,588.00	2.58	132.40	2,587.82	7.65	11.04	-0.64	0.87	0.65	14.76	
2,682.00	2.91	152.19	2,681.71	4.11	13.71	3.78	1.06	0.35	21.05	
2,776.00	2.85	158.12	2,775.60	-0.17	15.70	8.46	0.32	-0.06	6.31	
2,870.00	2.52	150.63	2,869.49	-4.14	17.58	12.83	0.51	-0.35	-7.97	
2,965.00	2.35	139.49	2,964.41	-7.44	19.87	16.84	0.53	-0.18	-11.73	
3,059.00	2.15	161.10	3,058.34	-10.57	21.69	20.46	0.92	-0.21	22.99	
3,153.00	2.07	169.91	3,152.27	-13.91	22.56	23.75	0.36	-0.09	9.37	
3,247.00	1.84	168.10	3,246.22	-17.06	23.17	26.75	0.25	-0.24	-1.93	
3,341.00	2.15	161.80	3,340.16	-20.21	24.03	29.88	0.40	0.33	-6.70	
3,437.00	2.22	155.62	3,436.09	-23.62	25.36	33.47	0.26	0.07	-6.44	
3,531.00	2.25	150.01	3,530.02	-26.87	27.04	37.12	0.23	0.03	-5.97	
3,625.00	2.08	138.02	3,623.95	-29.74	29.10	40.64	0.51	-0.18	-12.76	
3,720.00	1.92	153.67	3,718.90	-32.45	30.96	43.92	0.60	-0.17	16.47	
3,814.00	2.02	164.38	3,812.84	-35.45	32.10	47.08	0.41	0.11	11.39	

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Survey Report

Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 6H - Slot 6H
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 6H	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)
3,908.00	1.78	164.35	3,906.79	-38.45	32.94	50.07	0.26	-0.26	-0.03
4,002.00	2.03	150.67	4,000.74	-41.31	34.15	53.13	0.55	0.27	-14.55
4,096.00	2.32	151.16	4,094.67	-44.43	35.89	56.70	0.31	0.31	0.52
4,190.00	2.03	158.71	4,188.60	-47.65	37.41	60.23	0.43	-0.31	8.03
4,284.00	1.50	170.00	4,282.56	-50.41	38.23	63.01	0.67	-0.56	12.01
4,378.00	1.22	169.40	4,376.53	-52.61	38.62	65.08	0.30	-0.30	-0.64
4,472.00	0.98	111.48	4,470.52	-53.88	39.56	66.66	1.15	-0.26	-61.62
4,566.00	1.76	106.50	4,564.49	-54.59	41.69	68.39	0.84	0.83	-5.30
4,660.00	2.78	122.15	4,658.41	-56.21	45.00	71.52	1.26	1.09	16.65
4,756.00	2.63	146.39	4,754.31	-59.28	48.19	75.82	1.19	-0.16	25.25
4,850.00	2.11	154.98	4,848.23	-62.65	50.12	79.69	0.67	-0.55	9.14
4,944.00	1.80	159.11	4,942.18	-65.60	51.38	82.85	0.36	-0.33	4.39
5,038.00	1.49	169.40	5,036.14	-68.18	52.13	85.44	0.45	-0.33	10.95
5,132.00	1.79	173.15	5,130.10	-70.83	52.53	87.91	0.34	0.32	3.99
5,226.00	2.46	152.66	5,224.03	-74.08	53.63	91.25	1.07	0.71	-21.80
5,321.00	2.91	144.89	5,318.93	-77.87	55.95	95.69	0.61	0.47	-8.18
5,415.00	2.89	147.12	5,412.81	-81.81	58.61	100.44	0.12	-0.02	2.37
5,509.00	2.86	149.39	5,506.69	-85.82	61.09	105.15	0.13	-0.03	2.41
5,603.00	2.05	143.56	5,600.60	-89.19	63.29	109.17	0.90	-0.86	-6.20
Last SDI MWD Survey									
5,646.00	1.78	138.57	5,643.58	-90.31	64.18	110.60	0.74	-0.63	-11.60
5,674.00	2.74	137.26	5,671.56	-91.13	64.93	111.69	3.44	3.44	-4.69
Projection to Bit									
5,678.00	2.88	137.14	5,675.55	-91.27	65.06	111.88	3.44	3.44	-2.90
5,709.00	4.78	127.47	5,706.48	-92.63	66.61	113.85	6.45	6.13	-31.19
5,741.00	6.78	125.51	5,738.32	-94.54	69.21	116.85	6.28	6.25	-6.13
5,773.00	9.11	131.36	5,770.01	-97.31	72.65	121.02	7.70	7.28	18.28
5,805.00	11.55	139.32	5,801.49	-101.41	76.64	126.62	8.82	7.63	24.88
5,837.00	13.79	143.96	5,832.71	-106.93	80.97	133.59	7.68	7.00	14.50
5,868.00	16.57	146.63	5,862.63	-113.61	85.58	141.70	9.24	8.97	8.61
5,900.00	19.24	147.75	5,893.07	-121.88	90.90	151.53	8.41	8.34	3.50
5,932.00	21.76	147.87	5,923.04	-131.36	96.87	162.74	7.88	7.88	0.38
5,963.00	24.38	148.68	5,951.56	-141.70	103.26	174.88	8.51	8.45	2.61
5,995.00	27.75	146.73	5,980.30	-153.57	110.78	188.94	10.87	10.53	-6.09
6,027.00	31.02	146.15	6,008.18	-166.65	119.46	204.63	10.26	10.22	-1.81
6,059.00	34.41	144.62	6,035.10	-180.87	129.29	221.91	10.90	10.59	-4.78
6,091.00	38.26	144.10	6,060.88	-196.28	140.34	240.82	12.07	12.03	-1.63
6,122.00	40.29	142.18	6,084.87	-211.97	152.12	260.37	7.63	6.55	-6.19
6,154.00	40.17	142.30	6,109.31	-228.31	164.77	280.94	0.45	-0.38	0.38
6,214.00	41.05	141.51	6,154.85	-259.04	188.87	319.77	1.70	1.47	-1.32
6,275.00	41.44	138.66	6,200.72	-289.88	214.67	359.59	3.15	0.64	-4.67
6,336.00	41.71	137.80	6,246.36	-320.07	241.64	399.49	1.03	0.44	-1.41
6,397.00	41.55	138.38	6,291.95	-350.23	268.70	439.41	0.68	-0.26	0.95

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

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6,457.00	40.48	140.41	6,337.23	-380.11	294.33	478.33	2.85	-1.78	3.38	
6,487.00	39.89	139.52	6,360.15	-394.93	306.78	497.50	2.74	-1.97	-2.97	
6,517.00	40.70	138.86	6,383.03	-409.62	319.46	516.67	3.05	2.70	-2.20	
6,547.00	42.97	138.52	6,405.38	-424.65	332.67	536.42	7.60	7.57	-1.13	
6,577.00	45.88	140.14	6,426.80	-440.58	346.35	557.18	10.41	9.70	5.40	
6,608.00	48.73	141.00	6,447.82	-458.18	360.82	579.77	9.42	9.19	2.77	
6,638.00	51.70	142.52	6,467.02	-476.28	375.08	602.68	10.64	9.90	5.07	
6,668.00	53.87	143.97	6,485.16	-495.43	389.37	626.49	8.19	7.23	4.83	
6,698.00	55.86	145.83	6,502.43	-515.50	403.47	650.98	8.35	6.63	6.20	
6,728.00	58.02	146.09	6,518.79	-536.33	417.54	676.11	7.24	7.20	0.87	
6,759.00	60.10	146.62	6,534.73	-558.47	432.27	702.69	6.87	6.71	1.71	
6,789.00	62.28	147.75	6,549.18	-580.56	446.52	728.97	7.98	7.27	3.77	
6,820.00	64.40	148.01	6,563.09	-604.02	461.24	756.67	6.88	6.84	0.84	
6,850.00	66.11	148.60	6,575.65	-627.20	475.56	783.91	5.97	5.70	1.97	
6,880.00	68.26	148.99	6,587.28	-650.85	489.88	811.56	7.27	7.17	1.30	
6,910.00	70.17	149.49	6,597.93	-674.95	504.23	839.60	6.55	6.37	1.67	
6,941.00	72.29	149.68	6,607.90	-700.26	519.09	868.94	6.86	6.84	0.61	
6,971.00	73.98	150.25	6,616.60	-725.12	533.45	897.63	5.92	5.63	1.90	
7,001.00	75.72	150.68	6,624.44	-750.31	547.73	926.56	5.96	5.80	1.43	
7,031.00	78.03	150.65	6,631.26	-775.78	562.04	955.74	7.70	7.70	-0.10	
7,061.00	80.46	149.93	6,636.85	-801.38	576.65	985.19	8.44	8.10	-2.40	
7,091.00	82.96	150.04	6,641.18	-827.08	591.50	1,014.86	8.34	8.33	0.37	
7,121.00	85.26	149.36	6,644.26	-852.84	606.55	1,044.68	7.99	7.67	-2.27	
7,182.00	88.35	148.63	6,647.66	-905.04	637.92	1,105.57	5.20	5.07	-1.20	
7,246.00	89.36	146.71	6,648.94	-959.10	672.14	1,169.55	3.39	1.58	-3.00	
7,309.00	89.16	147.21	6,649.75	-1,011.91	706.48	1,232.54	0.85	-0.32	0.79	
7,372.00	89.36	148.52	6,650.56	-1,065.25	739.99	1,295.53	2.10	0.32	2.08	
7,436.00	89.56	147.44	6,651.17	-1,119.51	773.92	1,359.53	1.72	0.31	-1.69	
7,500.00	89.60	146.92	6,651.64	-1,173.30	808.61	1,423.52	0.81	0.06	-0.81	
7,563.00	89.70	148.04	6,652.02	-1,226.42	842.48	1,486.51	1.78	0.16	1.78	
7,627.00	89.60	149.07	6,652.41	-1,281.02	875.86	1,550.51	1.62	-0.16	1.61	
7,691.00	90.13	148.84	6,652.56	-1,335.85	908.87	1,614.50	0.90	0.83	-0.36	
7,754.00	90.87	148.15	6,652.01	-1,389.56	941.79	1,677.49	1.61	1.17	-1.10	
7,818.00	90.64	148.40	6,651.17	-1,443.99	975.44	1,741.49	0.53	-0.36	0.39	
7,881.00	91.11	148.30	6,650.21	-1,497.62	1,008.49	1,804.48	0.76	0.75	-0.16	
7,945.00	91.01	148.80	6,649.02	-1,552.20	1,041.88	1,868.46	0.80	-0.16	0.78	
8,009.00	91.04	148.33	6,647.88	-1,606.80	1,075.25	1,932.45	0.74	0.05	-0.73	
8,072.00	90.17	148.32	6,647.21	-1,660.41	1,108.33	1,995.44	1.38	-1.38	-0.02	
8,135.00	89.56	148.37	6,647.36	-1,714.04	1,141.40	2,058.44	0.97	-0.97	0.08	
8,199.00	88.99	149.20	6,648.17	-1,768.77	1,174.56	2,122.43	1.57	-0.89	1.30	
8,263.00	89.23	148.58	6,649.17	-1,823.56	1,207.62	2,186.42	1.04	0.38	-0.97	
8,326.00	89.53	148.72	6,649.85	-1,877.36	1,240.40	2,249.41	0.53	0.48	0.22	
8,390.00	89.30	149.53	6,650.50	-1,932.28	1,273.24	2,313.39	1.32	-0.36	1.27	
8,453.00	89.09	149.48	6,651.39	-1,986.56	1,305.21	2,376.36	0.34	-0.33	-0.08	

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Scientific Drilling Survey Report

Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 6H - Slot 6H
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 6H	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)
8,517.00	88.92	149.61	6,652.50	-2,041.73	1,337.64	2,440.33	0.33	-0.27	0.20
8,580.00	89.06	149.00	6,653.61	-2,095.89	1,369.79	2,503.30	0.99	0.22	-0.97
8,644.00	88.56	148.28	6,654.94	-2,150.53	1,403.09	2,567.28	1.37	-0.78	-1.13
8,707.00	88.86	148.49	6,656.36	-2,204.17	1,436.11	2,630.27	0.58	0.48	0.33
8,771.00	90.13	150.95	6,656.92	-2,259.43	1,468.38	2,694.23	4.33	1.98	3.84
8,834.00	89.46	151.17	6,657.15	-2,314.56	1,498.86	2,757.14	1.12	-1.06	0.35
8,898.00	89.93	151.74	6,657.49	-2,370.78	1,529.44	2,821.02	1.15	0.73	0.89
8,962.00	90.03	150.96	6,657.51	-2,426.94	1,560.13	2,884.91	1.23	0.16	-1.22
9,025.00	91.58	150.76	6,656.62	-2,481.96	1,590.80	2,947.82	2.48	2.46	-0.32
9,089.00	91.27	151.12	6,655.03	-2,537.89	1,621.88	3,011.72	0.74	-0.48	0.56
9,153.00	90.34	151.16	6,654.13	-2,593.93	1,652.77	3,075.61	1.45	-1.45	0.06
9,216.00	90.20	151.47	6,653.84	-2,649.20	1,683.01	3,138.51	0.54	-0.22	0.49
9,279.00	89.30	152.71	6,654.11	-2,704.87	1,712.49	3,201.34	2.43	-1.43	1.97
9,342.00	88.83	152.72	6,655.14	-2,760.85	1,741.37	3,264.12	0.75	-0.75	0.02
9,403.00	88.96	152.26	6,656.32	-2,814.94	1,769.54	3,324.92	0.78	0.21	-0.75
9,467.00	89.56	151.29	6,657.14	-2,871.33	1,799.81	3,388.78	1.78	0.94	-1.52
9,531.00	90.07	151.06	6,657.35	-2,927.40	1,830.66	3,452.68	0.87	0.80	-0.36
9,594.00	89.63	148.99	6,657.51	-2,981.97	1,862.14	3,515.63	3.36	-0.70	-3.29
9,658.00	88.36	148.16	6,658.64	-3,036.57	1,895.50	3,579.62	2.37	-1.98	-1.30
9,721.00	88.56	148.22	6,660.33	-3,090.09	1,928.69	3,642.60	0.33	0.32	0.10
9,785.00	89.23	144.48	6,661.56	-3,143.35	1,964.14	3,706.55	5.94	1.05	-5.84
9,849.00	89.97	144.66	6,662.01	-3,195.49	2,001.24	3,770.43	1.19	1.16	0.28
9,913.00	92.42	145.85	6,660.68	-3,248.07	2,037.71	3,834.34	4.26	3.83	1.86
9,976.00	94.57	146.45	6,656.84	-3,300.29	2,072.73	3,897.18	3.54	3.41	0.95
10,040.00	92.31	145.68	6,653.00	-3,353.28	2,108.40	3,961.03	3.73	-3.53	-1.20
10,104.00	90.67	146.56	6,651.33	-3,406.40	2,144.06	4,024.97	2.91	-2.56	1.38
10,168.00	89.93	146.39	6,651.00	-3,459.75	2,179.41	4,088.95	1.19	-1.16	-0.27
10,231.00	89.73	145.86	6,651.18	-3,512.06	2,214.52	4,151.91	0.90	-0.32	-0.84
10,294.00	89.53	145.96	6,651.59	-3,564.23	2,249.83	4,214.87	0.35	-0.32	0.16
10,358.00	89.40	146.92	6,652.19	-3,617.56	2,285.21	4,278.84	1.51	-0.20	1.50
10,421.00	89.87	148.47	6,652.59	-3,670.80	2,318.88	4,341.84	2.57	0.75	2.46
10,484.00	90.47	148.85	6,652.40	-3,724.61	2,351.64	4,404.83	1.13	0.95	0.60
10,548.00	90.67	148.49	6,651.77	-3,779.28	2,384.92	4,468.82	0.64	0.31	-0.56
10,611.00	90.57	148.83	6,651.08	-3,833.08	2,417.68	4,531.82	0.56	-0.16	0.54
10,675.00	90.17	149.68	6,650.67	-3,888.08	2,450.40	4,595.80	1.47	-0.63	1.33
10,739.00	89.09	149.77	6,651.08	-3,943.35	2,482.67	4,659.77	1.69	-1.69	0.14
10,802.00	88.79	149.63	6,652.25	-3,997.74	2,514.44	4,722.73	0.53	-0.48	-0.22
10,865.00	89.46	149.20	6,653.21	-4,051.97	2,546.50	4,785.70	1.26	1.06	-0.68
10,929.00	89.87	149.00	6,653.59	-4,106.88	2,579.36	4,849.69	0.71	0.64	-0.31
10,992.00	89.73	149.21	6,653.81	-4,160.94	2,611.71	4,912.68	0.40	-0.22	0.33
11,056.00	89.93	148.90	6,653.99	-4,215.83	2,644.62	4,976.66	0.58	0.31	-0.48
11,120.00	90.13	148.52	6,653.96	-4,270.52	2,677.86	5,040.66	0.67	0.31	-0.59
11,184.00	90.54	148.34	6,653.59	-4,325.05	2,711.37	5,104.66	0.70	0.64	-0.28

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Scientific Drilling

Survey Report

Company: Stone Energy Corporation	Local Co-ordinate Reference: Well Martin 6H - Slot 6H
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 6H	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)	
11,247.00	90.10	148.20	6,653.24	-4,378.63	2,744.50	5,167.65	0.73	-0.70	-0.22	
11,310.00	89.73	148.00	6,653.33	-4,432.12	2,777.79	5,230.65	0.67	-0.59	-0.32	
11,374.00	90.00	147.99	6,653.48	-4,486.39	2,811.71	5,294.65	0.42	0.42	-0.02	
11,438.00	90.24	148.25	6,653.35	-4,540.73	2,845.51	5,358.65	0.55	0.38	0.41	
11,502.00	90.81	147.71	6,652.76	-4,595.00	2,879.44	5,422.65	1.23	0.89	-0.84	
11,565.00	90.17	148.41	6,652.22	-4,648.45	2,912.77	5,485.65	1.51	-1.02	1.11	
11,629.00	89.83	148.65	6,652.22	-4,703.04	2,946.18	5,549.64	0.65	-0.53	0.38	
11,692.00	90.20	148.07	6,652.20	-4,756.68	2,979.23	5,612.64	1.09	0.59	-0.92	
11,756.00	90.03	148.01	6,652.08	-4,810.98	3,013.11	5,676.64	0.28	-0.27	-0.09	
11,819.00	89.93	147.31	6,652.10	-4,864.20	3,046.81	5,739.64	1.12	-0.16	-1.11	
11,883.00	90.00	147.83	6,652.14	-4,918.22	3,081.13	5,803.64	0.82	0.11	0.81	
11,945.00	90.30	148.88	6,651.97	-4,971.00	3,113.66	5,865.64	1.76	0.48	1.69	
12,008.00	90.20	149.76	6,651.70	-5,025.18	3,145.80	5,928.62	1.41	-0.16	1.40	
12,072.00	90.60	149.36	6,651.25	-5,080.36	3,178.22	5,992.59	0.88	0.63	-0.63	
12,135.00	90.47	149.13	6,650.66	-5,134.50	3,210.44	6,055.57	0.42	-0.21	-0.37	
12,180.00	89.73	149.46	6,650.59	-5,173.19	3,233.42	6,100.56	1.80	-1.64	0.73	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (")	Hole Diameter (")	
85.00	85.00	93.00		20	20	
907.00	907.00	908.99		13-3/8	13-3/8	
2,227.00	2,226.95	2237.94		9-5/8	9-5/8	
12,180.00	6,650.59	6674.71		5-1/2	5-1/2	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
18.00	18.00	0.00	0.00	Ground Level	
108.00	108.00	0.01	-0.06	First SDI Gyro Survey	
2,228.00	2,227.95	10.12	4.02	Last SDI Gyro Survey	
2,305.00	2,304.94	10.84	4.34	First SDI MWD Survey	
5,603.00	5,600.60	-89.19	63.29	Last SDI MWD Survey	
5,674.00	5,671.56	-91.13	64.93	Projection to Bit	

Checked By: _____	Approved By: _____	Date: _____
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