



Stone Energy Corporation

Heather Prospect (NAD 27)

Martin Pad

Martin 2H - Slot 2H

OH

Design: As Drilled

Standard Survey Report

10 April, 2015



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06/02/2017



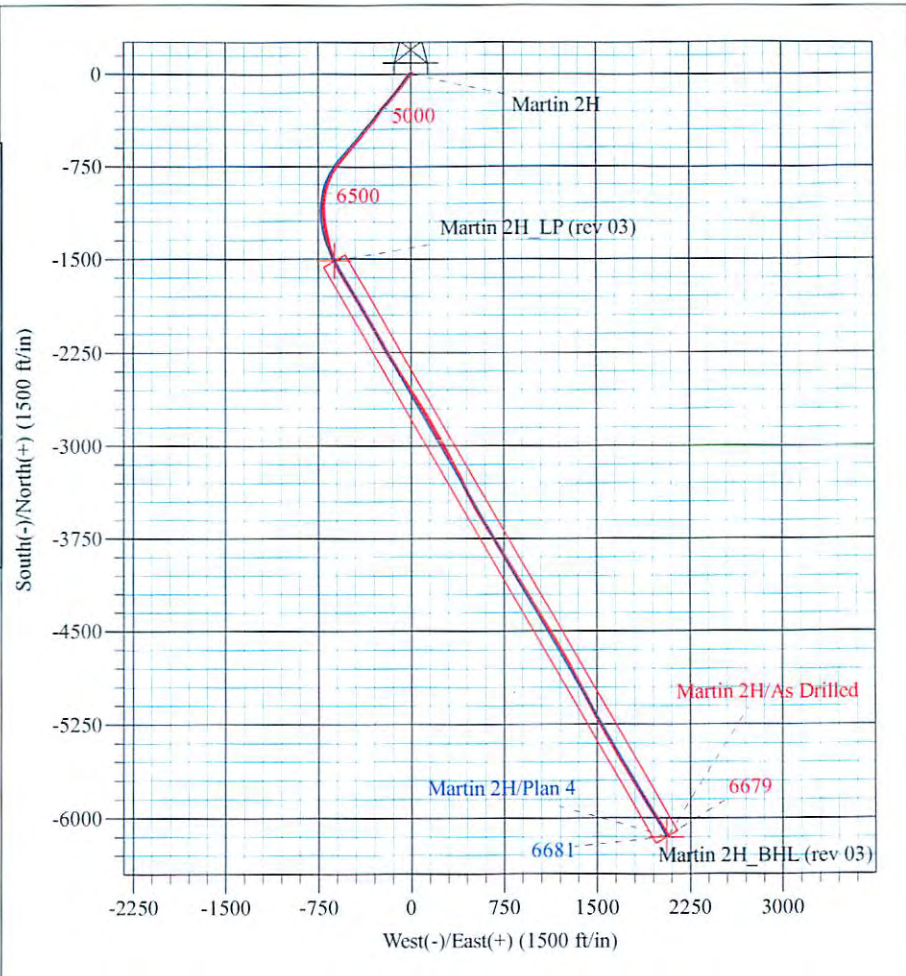
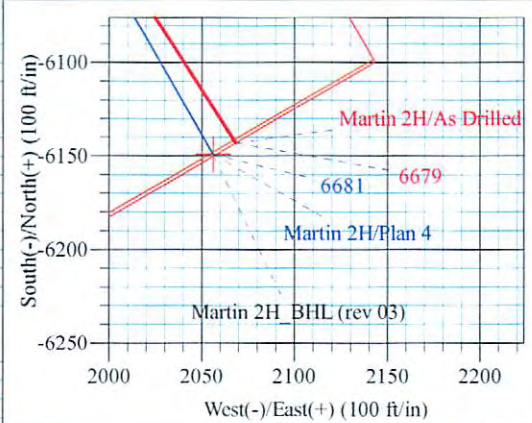
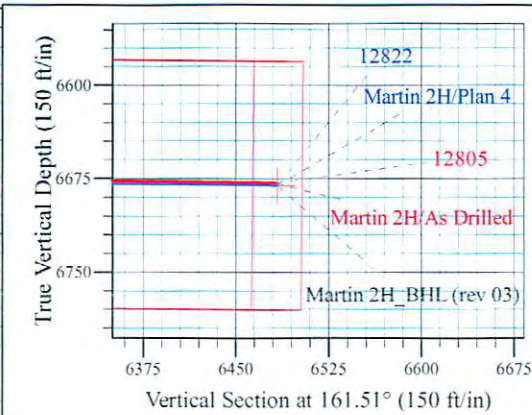
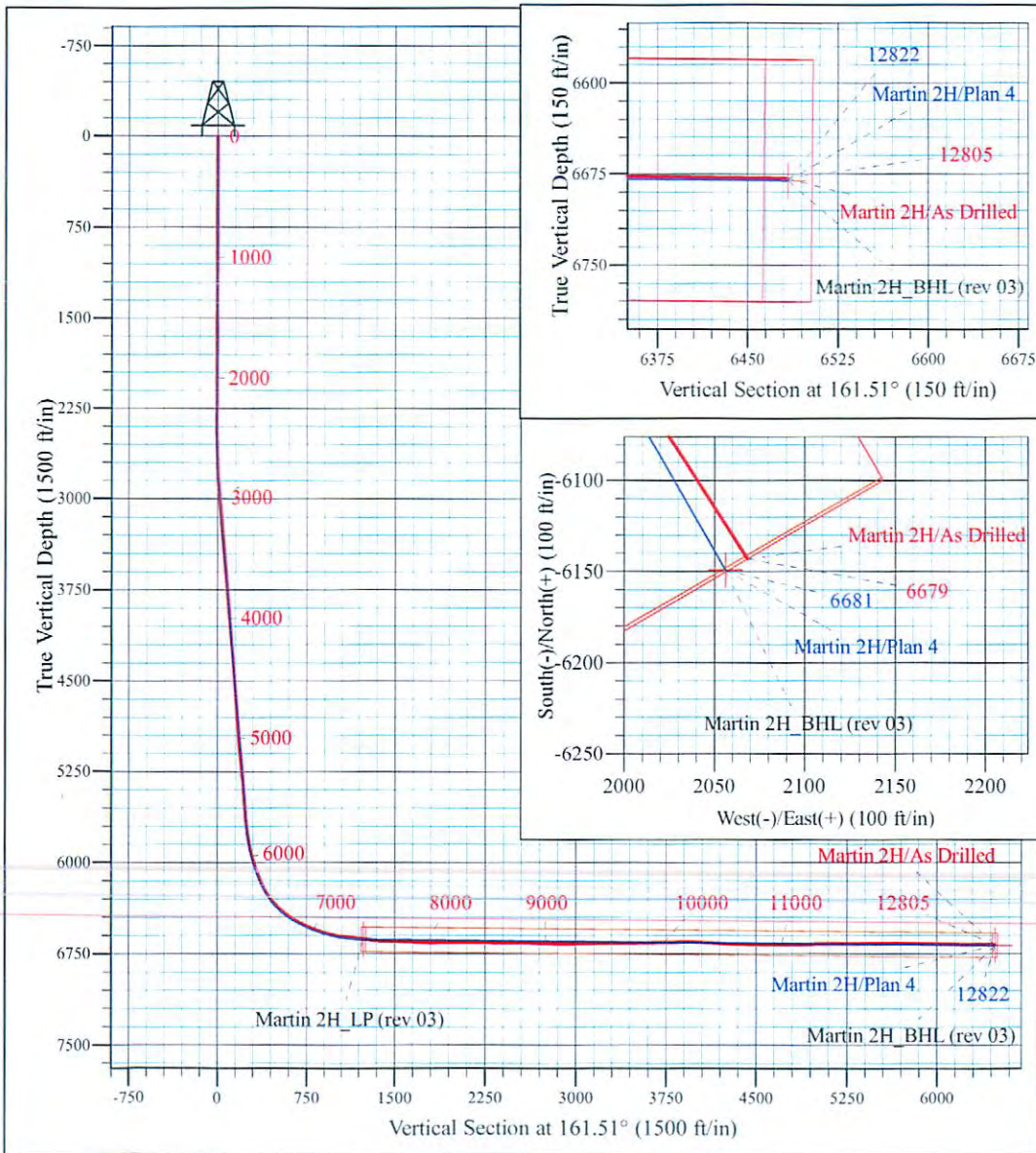
Martin Pad
 Martin 2H
 Plan 4
 GL 906' & KB 18' @ 924.00ft (Saxon 141)
 Heather Prospect (NAD 27)

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 2H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	407739.00	1643275.00	39° 36' 45.280 N	80° 45' 58.443 W 2H



Azimuths to Grid North
 True North: 0.81°
 Magnetic North: -6.88°
 Magnetic Field
 Strength: 52532.0snT
 Dip Angle: 67.13°
 Date: 9/10/2014
 Model: USER DEFINED

Shane Rhodes
 15:56, April 10 2015
 Scientific Drilling International
 124 Vista Drive
 Charleroi, PA 15022



Scientific Drilling International
Survey Report



Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 2H - Slot 2H
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 2H	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 2H - Slot 2H					
Well Position	+N/-S	0.00 ft	Northing:	407,739.00 usft	Latitude:	39° 36' 45.280 N
	+E/-W	0.00 ft	Easting:	1,643,275.00 usft	Longitude:	80° 45' 58.443 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	3/26/2014	-8.59	67.11	52,440
	BGGM2013	4/15/2014	-8.59	67.10	52,433
	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	161.51	

Survey Program	Date	4/10/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
18.00	2,171.00	Survey #1 - 9-5/8" Intermediate Casing Su	VES GyroFlex		
2,303.00	5,507.00	Survey #2 - SDI MWD Surveys to KOP (O	SDI MWD	SDI MWD - Standard ver 1.0.1	
5,605.00	12,805.00	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	0.00
18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ground Level										
108.00	0.40	46.74	108.00	0.22	0.23	-0.13	0.44	0.44	0.00	0.00
First Vaughn Gyro Survey										
208.00	0.28	57.95	208.00	0.58	0.69	-0.34	0.14	-0.12	11.21	0.00
308.00	0.34	84.20	308.00	0.74	1.19	-0.33	0.15	0.06	26.25	0.00

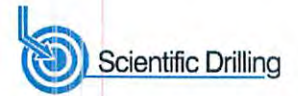


Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 2H - Slot 2H
Project:	Heather Prospect (NAD 27)	TVD Reference:	GL 906' & KB 18' @ 924.00ft (Saxon 141)
Site:	Martin Pad	MD Reference:	GL 906' & KB 18' @ 924.00ft (Saxon 141)
Well:	Martin 2H	North Reference:	Grid
Wellbore:	OH	Survey 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)	
408.00	0.29	83.52	407.99	0.80	1.74	-0.21	0.05	-0.05	-0.68	
508.00	0.09	68.97	507.99	0.86	2.06	-0.16	0.20	-0.20	-14.55	
608.00	0.03	85.29	607.99	0.89	2.16	-0.16	0.06	-0.06	16.32	
708.00	0.02	106.02	707.99	0.89	2.21	-0.14	0.01	-0.01	20.73	
808.00	0.06	162.04	807.99	0.83	2.24	-0.08	0.05	0.04	56.02	
820.00	0.15	158.30	819.99	0.81	2.25	-0.06	0.75	0.75	-31.17	
908.00	0.30	97.21	907.99	0.68	2.52	0.16	0.30	0.17	-69.42	
1,008.00	0.24	2.91	1,007.99	0.85	2.79	0.08	0.40	-0.06	-94.30	
1,108.00	0.35	336.92	1,107.99	1.34	2.68	-0.42	0.17	0.11	-25.99	
1,208.00	0.38	334.34	1,207.99	1.92	2.42	-1.06	0.03	0.03	-2.58	
1,308.00	0.24	356.02	1,307.99	2.43	2.26	-1.59	0.18	-0.14	21.68	
1,408.00	0.07	6.43	1,407.99	2.70	2.25	-1.85	0.17	-0.17	10.41	
1,508.00	0.02	37.60	1,507.99	2.77	2.27	-1.91	0.05	-0.05	31.17	
1,608.00	0.05	43.66	1,607.99	2.82	2.31	-1.94	0.03	0.03	6.06	
1,708.00	0.08	58.95	1,707.99	2.89	2.40	-1.98	0.03	0.03	15.29	
1,808.00	0.31	49.82	1,807.99	3.10	2.66	-2.09	0.23	0.23	-9.13	
1,908.00	0.51	31.05	1,907.98	3.65	3.10	-2.48	0.24	0.20	-18.77	
2,008.00	0.44	27.76	2,007.98	4.37	3.51	-3.04	0.08	-0.07	-3.29	
2,108.00	0.53	26.23	2,107.98	5.13	3.89	-3.63	0.09	0.09	-1.53	
2,171.00	0.80	21.55	2,170.97	5.80	4.18	-4.17	0.44	0.43	-7.43	
Last Vaughn Gyro Survey										
2,303.00	0.54	2.70	2,302.96	7.28	4.55	-5.46	0.26	-0.20	-14.28	
First SDI MWD Survey										
2,397.00	1.31	272.82	2,396.95	7.77	3.50	-6.26	1.51	0.82	-95.62	
2,491.00	2.74	241.62	2,490.90	6.76	0.45	-6.27	1.87	1.52	-33.19	
2,585.00	3.17	230.17	2,584.77	4.03	-3.52	-4.94	0.77	0.46	-12.18	
2,680.00	4.06	226.07	2,679.58	0.01	-7.96	-2.53	0.97	0.94	-4.32	
2,774.00	5.72	221.49	2,773.24	-5.81	-13.46	1.24	1.81	1.77	-4.87	
2,868.00	7.29	219.65	2,866.63	-13.91	-20.37	6.73	1.68	1.67	-1.96	
2,962.00	7.67	216.88	2,959.83	-23.52	-27.94	13.44	0.56	0.40	-2.95	
3,056.00	8.75	219.49	3,052.86	-34.06	-36.26	20.80	1.22	1.15	2.78	
3,150.00	9.30	217.66	3,145.70	-45.59	-45.44	28.82	0.66	0.59	-1.95	
3,245.00	9.21	212.57	3,239.47	-58.07	-54.23	37.88	0.87	-0.09	-5.36	
3,338.00	8.99	218.83	3,331.30	-70.00	-62.79	46.48	1.09	-0.24	6.73	
3,434.00	8.96	217.90	3,426.12	-81.74	-72.08	54.67	0.15	-0.03	-0.97	
3,528.00	9.04	215.00	3,518.96	-93.57	-80.82	63.11	0.49	0.09	-3.09	
3,622.00	8.94	218.83	3,611.81	-105.31	-89.63	71.45	0.65	-0.11	4.07	
3,716.00	8.76	218.78	3,704.69	-116.58	-98.69	79.27	0.19	-0.19	-0.05	
3,810.00	8.66	215.21	3,797.61	-127.94	-107.26	87.33	0.58	-0.11	-3.80	
3,904.00	8.04	219.86	3,890.61	-138.77	-115.55	94.97	0.97	-0.66	4.95	
3,998.00	8.41	220.45	3,983.65	-149.05	-124.22	101.96	0.40	0.39	0.63	
4,092.00	8.81	218.51	4,076.59	-159.91	-133.17	109.43	0.53	0.43	-2.06	
4,186.00	9.26	218.34	4,169.42	-171.48	-142.34	117.49	0.48	0.48	-0.18	



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Survey Report



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Well:	Martin 2H	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)
4,280.00	9.22	216.18	4,262.20	-183.49	-151.48	125.98	0.37	-0.04	-2.30
4,374.00	8.77	220.65	4,355.04	-195.00	-160.59	134.01	0.88	-0.48	4.76
4,468.00	9.01	225.19	4,447.92	-205.63	-170.48	140.95	0.79	0.26	4.83
4,563.00	9.08	224.44	4,541.74	-216.22	-181.01	147.66	0.14	0.07	-0.79
4,657.00	9.06	222.48	4,634.56	-226.97	-191.20	154.63	0.33	-0.02	-2.09
4,751.00	8.75	219.42	4,727.43	-237.96	-200.74	162.02	0.60	-0.33	-3.26
4,847.00	9.17	223.84	4,822.26	-249.11	-210.67	169.45	0.84	0.44	4.60
4,941.00	9.64	223.40	4,914.99	-260.24	-221.27	176.64	0.51	0.50	-0.47
5,035.00	9.72	219.10	5,007.66	-272.11	-231.68	184.60	0.77	0.09	-4.57
5,130.00	10.12	217.43	5,101.24	-284.96	-241.81	193.58	0.52	0.42	-1.76
5,224.00	10.40	215.43	5,193.73	-298.43	-251.75	203.20	0.48	0.30	-2.13
5,319.00	9.47	218.33	5,287.31	-311.55	-261.57	212.53	1.11	-0.98	3.05
5,413.00	8.61	217.64	5,380.14	-323.19	-270.66	220.68	0.92	-0.91	-0.73
5,507.00	8.07	217.44	5,473.15	-334.00	-278.97	228.30	0.58	-0.57	-0.21
5,605.00	8.44	215.85	5,570.13	-345.29	-287.36	236.35	0.44	0.38	-1.62
5,697.00	8.81	216.52	5,601.77	-349.17	-290.20	239.12	1.20	1.16	2.09
5,669.00	8.56	214.95	5,633.40	-353.09	-293.02	241.95	1.08	-0.78	-4.91
5,701.00	9.16	214.39	5,665.02	-357.14	-295.82	244.90	1.89	1.88	-1.75
5,733.00	11.43	216.95	5,696.50	-361.78	-299.17	248.24	7.23	7.09	8.00
5,764.00	13.98	216.90	5,726.74	-367.23	-303.26	252.11	8.23	8.23	-0.16
5,796.00	15.18	218.48	5,757.71	-373.60	-308.19	256.59	3.95	3.75	4.94
5,828.00	16.48	219.07	5,788.50	-380.40	-313.66	261.31	4.09	4.06	1.84
5,860.00	17.81	218.70	5,819.07	-387.75	-319.58	266.39	4.17	4.16	-1.16
5,892.00	20.14	218.21	5,849.33	-395.90	-326.05	272.07	7.30	7.28	-1.53
5,924.00	22.56	220.28	5,879.13	-404.91	-333.42	278.28	7.92	7.56	6.47
5,956.00	24.23	219.01	5,908.50	-414.69	-341.53	284.99	5.45	5.22	-3.97
5,988.00	25.92	218.71	5,937.49	-425.25	-350.03	292.31	5.30	5.28	-0.94
6,019.00	27.86	218.74	5,965.13	-436.19	-358.81	299.90	6.26	6.26	0.10
6,051.00	30.51	218.93	5,993.07	-448.35	-368.59	308.32	8.29	8.28	0.59
6,082.00	30.62	218.15	6,019.76	-460.68	-378.41	316.90	1.33	0.35	-2.52
6,114.00	31.19	217.50	6,047.22	-473.66	-388.49	326.02	2.06	1.78	-2.03
6,146.00	33.46	217.26	6,074.26	-487.26	-398.88	335.62	7.11	7.09	-0.75
6,178.00	35.66	218.62	6,100.61	-501.57	-410.04	345.65	7.29	6.88	4.25
6,209.00	37.26	218.68	6,125.54	-515.95	-421.55	355.65	5.16	5.16	0.19
6,241.00	39.62	219.27	6,150.60	-531.42	-434.06	366.35	7.46	7.38	1.84
6,272.00	41.50	219.36	6,174.15	-547.01	-446.83	377.09	6.07	6.06	0.29
6,304.00	44.17	220.24	6,197.62	-563.72	-460.76	388.52	8.55	8.34	2.75
6,335.00	45.77	219.86	6,219.55	-580.49	-474.86	399.95	5.23	5.16	-1.23
6,367.00	48.25	218.96	6,241.37	-598.58	-489.71	412.39	8.02	7.75	-2.81
6,399.00	49.90	218.35	6,262.33	-617.46	-504.81	425.51	5.35	5.16	-1.91
6,431.00	52.06	218.42	6,282.47	-636.95	-520.25	439.10	6.75	6.75	0.22
6,463.00	54.21	218.09	6,301.67	-657.05	-536.10	453.14	6.77	6.72	-1.03
6,494.00	57.07	218.60	6,319.16	-677.12	-551.98	467.13	9.33	9.23	1.65
6,526.00	58.89	217.96	6,336.13	-698.41	-568.78	482.00	5.93	5.69	-2.00



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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)
6,558.00	58.65	217.80	6,352.72	-720.01	-585.58	497.16	0.86	-0.75	-0.50
6,590.00	58.88	216.55	6,369.32	-741.81	-602.12	512.59	3.42	0.72	-3.91
6,622.00	59.26	213.23	6,385.77	-764.32	-617.81	528.96	8.98	1.19	-10.38
6,654.00	59.48	210.83	6,402.07	-787.67	-632.41	546.47	6.49	0.69	-7.50
6,685.00	59.80	206.92	6,417.75	-811.08	-645.33	564.59	10.93	1.03	-12.61
6,717.00	60.77	204.14	6,433.61	-836.16	-657.30	584.57	8.13	3.03	-8.69
6,749.00	62.39	200.98	6,448.84	-862.14	-668.09	605.79	10.05	5.06	-9.88
6,780.00	63.48	199.21	6,462.95	-888.07	-677.57	627.37	6.18	3.52	-5.71
6,810.00	64.45	196.90	6,476.12	-913.69	-685.92	649.03	7.64	3.23	-7.70
6,840.00	65.47	193.23	6,488.82	-939.94	-692.98	671.68	11.59	3.40	-12.23
6,870.00	66.43	190.43	6,501.05	-966.75	-698.59	695.32	9.10	3.20	-9.33
6,900.00	67.41	187.78	6,512.81	-993.99	-702.96	719.78	8.76	3.27	-8.83
6,931.00	67.82	184.54	6,524.62	-1,022.49	-706.03	745.83	9.75	1.32	-10.45
6,961.00	68.71	181.79	6,535.73	-1,050.31	-707.57	771.73	9.02	2.97	-9.17
6,991.00	69.74	180.39	6,546.37	-1,078.35	-708.10	798.15	5.55	3.43	-4.67
7,021.00	70.91	178.55	6,556.47	-1,106.60	-707.84	825.03	6.97	3.90	-6.13
7,052.00	72.33	176.28	6,566.25	-1,135.98	-706.51	853.32	8.32	4.58	-7.32
7,082.00	73.44	174.68	6,575.07	-1,164.56	-704.25	881.14	6.30	3.70	-5.33
7,111.00	74.74	173.89	6,583.02	-1,192.31	-701.47	908.34	5.19	4.48	-2.72
7,142.00	76.41	171.47	6,590.75	-1,222.09	-697.64	937.79	9.28	5.39	-7.81
7,172.00	78.32	169.94	6,597.31	-1,250.97	-692.91	966.68	8.08	6.37	-5.10
7,202.00	79.64	168.65	6,603.04	-1,279.91	-687.44	995.86	6.10	4.40	-4.30
7,233.00	80.93	168.29	6,608.28	-1,309.84	-681.34	1,026.19	4.32	4.16	-1.16
7,263.00	82.66	167.14	6,612.56	-1,338.86	-675.02	1,055.70	6.90	5.77	-3.83
7,294.00	83.63	166.43	6,616.26	-1,368.82	-667.98	1,086.35	3.87	3.13	-2.29
7,324.00	84.70	165.52	6,619.31	-1,397.77	-660.75	1,116.11	4.67	3.57	-3.03
7,354.00	84.88	163.50	6,622.03	-1,426.56	-652.77	1,145.94	6.73	0.60	-6.73
7,384.00	84.58	159.91	6,624.79	-1,454.92	-643.40	1,175.81	11.96	-1.00	-11.97
7,414.00	83.95	157.94	6,627.79	-1,482.77	-632.66	1,205.62	6.86	-2.10	-6.57
7,445.00	84.07	154.70	6,631.02	-1,511.00	-620.28	1,236.32	10.40	0.39	-10.45
7,475.00	84.63	152.69	6,633.98	-1,537.76	-607.05	1,265.90	6.92	1.87	-6.70
7,506.00	84.59	152.98	6,636.89	-1,565.22	-592.96	1,296.41	0.94	-0.13	0.94
7,536.00	84.72	151.60	6,639.68	-1,591.67	-579.07	1,325.89	4.60	0.43	-4.60
7,565.00	84.52	149.87	6,642.40	-1,616.85	-564.96	1,354.25	5.98	-0.69	-5.97
7,595.00	85.83	150.32	6,644.92	-1,642.77	-550.06	1,383.56	4.62	4.37	1.50
7,626.00	86.95	149.95	6,646.88	-1,669.59	-534.65	1,413.89	3.80	3.61	-1.19
7,656.00	87.41	149.84	6,648.35	-1,695.52	-519.62	1,443.24	1.58	1.53	-0.37
7,717.00	89.26	150.04	6,650.12	-1,748.29	-489.08	1,502.97	3.05	3.03	0.33
7,777.00	88.35	149.35	6,651.38	-1,800.08	-458.81	1,561.68	1.90	-1.52	-1.15
7,841.00	87.04	148.58	6,653.95	-1,854.87	-425.84	1,624.10	2.37	-2.05	-1.20
7,905.00	87.14	148.04	6,657.20	-1,909.26	-392.26	1,686.33	0.86	0.16	-0.84
7,968.00	87.85	148.03	6,659.95	-1,962.65	-358.94	1,747.54	1.13	1.13	-0.02
8,031.00	90.27	150.74	6,660.99	-2,016.85	-326.87	1,809.11	5.77	3.64	4.30

Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 2H - Slot 2H
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 2H	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)	
8,095.00	90.37	150.68	6,660.63	-2,072.67	-295.56	1,871.98	0.18	0.16	-0.09	
8,159.00	90.81	150.39	6,659.97	-2,128.39	-264.08	1,934.80	0.82	0.69	-0.45	
8,222.00	90.54	150.27	6,659.23	-2,183.13	-232.90	1,996.60	0.47	-0.43	-0.19	
8,285.00	90.10	149.56	6,658.88	-2,237.64	-201.32	2,058.31	1.33	-0.70	-1.13	
8,349.00	90.51	149.79	6,658.53	-2,292.88	-169.00	2,120.95	0.73	0.64	0.36	
8,413.00	89.56	148.14	6,658.50	-2,347.72	-136.01	2,183.42	2.97	-1.48	-2.58	
8,477.00	89.26	147.80	6,659.15	-2,401.97	-102.07	2,245.64	0.71	-0.47	-0.53	
8,539.00	89.26	147.49	6,659.96	-2,454.34	-68.89	2,305.83	0.50	0.00	-0.50	
8,603.00	89.66	147.42	6,660.56	-2,508.29	-34.46	2,367.91	0.63	0.63	-0.11	
8,666.00	90.10	146.19	6,660.69	-2,561.01	0.03	2,428.84	2.07	0.70	-1.95	
8,729.00	89.09	146.39	6,661.14	-2,613.41	34.99	2,489.63	1.63	-1.60	0.32	
8,793.00	88.69	147.47	6,662.38	-2,667.03	69.91	2,551.55	1.80	-0.63	1.69	
8,855.00	88.79	149.07	6,663.74	-2,719.75	102.50	2,611.89	2.59	0.16	2.58	
8,917.00	88.93	150.71	6,664.97	-2,773.37	133.60	2,672.60	2.65	0.23	2.65	
8,981.00	88.86	149.88	6,666.21	-2,828.95	165.31	2,735.37	1.30	-0.11	-1.30	
9,044.00	89.09	150.93	6,667.33	-2,883.72	196.42	2,797.18	1.71	0.37	1.67	
9,108.00	89.19	151.00	6,668.29	-2,939.67	227.47	2,860.09	0.19	0.16	0.11	
9,171.00	89.53	150.75	6,669.00	-2,994.70	258.14	2,922.00	0.67	0.54	-0.40	
9,235.00	91.95	152.93	6,668.17	-3,051.12	288.33	2,985.08	5.09	3.78	3.41	
9,299.00	91.21	152.74	6,666.41	-3,108.03	317.54	3,048.32	1.19	-1.16	-0.30	
9,361.00	89.19	151.57	6,666.19	-3,162.85	346.50	3,109.49	3.77	-3.26	-1.89	
9,425.00	90.34	152.13	6,666.45	-3,219.28	376.69	3,172.58	2.00	1.80	0.88	
9,489.00	91.61	154.12	6,665.36	-3,276.36	405.62	3,235.89	3.69	1.98	3.11	
9,552.00	90.84	153.91	6,664.02	-3,332.97	433.21	3,298.33	1.27	-1.22	-0.33	
9,616.00	90.57	153.73	6,663.23	-3,390.40	461.45	3,361.75	0.51	-0.42	-0.28	
9,680.00	90.47	151.91	6,662.65	-3,447.33	490.68	3,425.01	2.85	-0.16	-2.84	
9,743.00	89.90	149.71	6,662.45	-3,502.33	521.40	3,486.91	3.61	-0.90	-3.49	
9,807.00	90.50	149.78	6,662.22	-3,557.61	553.65	3,549.57	0.94	0.94	0.11	
9,869.00	90.67	150.15	6,661.59	-3,611.28	584.68	3,610.31	0.66	0.27	0.60	
9,933.00	90.50	149.10	6,660.94	-3,666.49	617.04	3,672.93	1.66	-0.27	-1.64	
9,997.00	91.01	149.05	6,660.09	-3,721.39	649.93	3,735.42	0.80	0.80	-0.08	
10,061.00	91.14	149.69	6,658.89	-3,776.45	682.53	3,797.98	1.02	0.20	1.00	
10,124.00	91.25	149.19	6,657.58	-3,830.69	714.55	3,859.57	0.81	0.17	-0.79	
10,188.00	90.57	148.90	6,656.56	-3,885.56	747.47	3,922.06	1.16	-1.06	-0.45	
10,252.00	88.69	148.71	6,656.97	-3,940.31	780.61	3,984.48	2.95	-2.94	-0.30	
10,315.00	88.32	148.93	6,658.62	-3,994.19	813.22	4,045.92	0.68	-0.59	0.35	
10,379.00	87.99	148.57	6,660.68	-4,048.87	846.40	4,108.31	0.76	-0.52	-0.56	
10,442.00	87.51	149.25	6,663.15	-4,102.78	878.91	4,169.74	1.32	-0.76	1.08	
10,506.00	87.51	148.81	6,665.93	-4,157.61	911.81	4,232.17	0.69	0.00	-0.69	
10,570.00	87.17	148.75	6,668.90	-4,212.28	944.95	4,294.53	0.54	-0.53	-0.09	
10,633.00	87.92	148.86	6,671.60	-4,266.12	977.55	4,355.93	1.20	1.19	0.17	
10,696.00	88.92	149.52	6,673.34	-4,320.21	1,009.81	4,417.46	1.90	1.59	1.05	
10,760.00	90.30	149.91	6,673.77	-4,375.47	1,042.08	4,480.10	2.24	2.16	0.61	

Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Martin 2H - Slot 2H
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 2H	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)
10,824.00	90.37	149.57	6,673.40	-4,430.75	1,074.33	4,542.75	0.54	0.11	-0.53
10,887.00	90.37	147.92	6,672.99	-4,484.60	1,107.02	4,604.19	2.62	0.00	-2.62
10,951.00	90.20	148.76	6,672.67	-4,539.08	1,140.61	4,666.51	1.34	-0.27	1.31
11,015.00	90.74	150.67	6,672.15	-4,594.34	1,172.88	4,729.15	3.10	0.84	2.98
11,078.00	90.71	149.53	6,671.35	-4,648.95	1,204.28	4,790.90	1.81	-0.05	-1.81
11,142.00	90.71	150.17	6,670.56	-4,704.28	1,236.42	4,853.57	1.00	0.00	1.00
11,205.00	89.93	151.80	6,670.21	-4,759.37	1,266.98	4,915.51	2.87	-1.24	2.59
11,269.00	89.60	151.91	6,670.47	-4,815.81	1,297.17	4,978.60	0.54	-0.52	0.17
11,332.00	90.37	152.71	6,670.49	-4,871.59	1,326.44	5,040.79	1.76	1.22	1.27
11,396.00	90.74	152.55	6,669.87	-4,928.42	1,355.87	5,104.02	0.63	0.58	-0.25
11,459.00	90.03	152.64	6,669.44	-4,984.35	1,384.86	5,166.26	1.14	-1.13	0.14
11,523.00	89.03	151.85	6,669.97	-5,040.98	1,414.66	5,229.42	1.99	-1.56	-1.23
11,587.00	89.36	151.61	6,670.87	-5,097.34	1,444.97	5,292.48	0.64	0.52	-0.38
11,651.00	89.93	151.11	6,671.26	-5,153.51	1,475.65	5,355.48	1.18	0.89	-0.78
11,714.00	90.23	150.12	6,671.18	-5,208.41	1,506.56	5,417.34	1.64	0.48	-1.57
11,778.00	90.27	150.33	6,670.90	-5,263.96	1,538.34	5,480.10	0.33	0.06	0.33
11,842.00	90.67	150.73	6,670.37	-5,319.67	1,569.83	5,542.93	0.88	0.63	0.63
11,906.00	90.97	149.74	6,669.46	-5,375.22	1,601.60	5,605.68	1.62	0.47	-1.55
11,969.00	90.44	150.05	6,668.68	-5,429.72	1,633.19	5,667.39	0.97	-0.64	0.49
12,032.00	89.87	150.28	6,668.51	-5,484.37	1,664.54	5,729.16	0.98	-0.90	0.37
12,096.00	88.52	149.58	6,669.41	-5,539.75	1,696.60	5,791.85	2.38	-2.11	-1.09
12,160.00	88.02	149.65	6,671.34	-5,594.93	1,728.96	5,854.44	0.79	-0.78	0.11
12,223.00	88.82	150.30	6,673.08	-5,649.46	1,760.47	5,916.15	1.64	1.27	1.03
12,287.00	88.72	149.08	6,674.45	-5,704.70	1,792.76	5,978.77	1.91	-0.16	-1.91
12,350.00	88.96	148.77	6,675.73	-5,758.64	1,825.27	6,040.25	0.62	0.38	-0.49
12,414.00	89.46	148.87	6,676.61	-5,813.39	1,858.40	6,102.68	0.80	0.78	0.16
12,478.00	89.97	148.00	6,676.93	-5,867.92	1,891.90	6,165.01	1.58	0.80	-1.36
12,541.00	90.03	147.61	6,676.93	-5,921.24	1,925.47	6,226.22	0.63	0.10	-0.62
12,605.00	90.40	146.83	6,676.69	-5,975.04	1,960.12	6,288.24	1.35	0.58	-1.22
12,668.00	89.06	147.59	6,676.99	-6,028.00	1,994.24	6,349.28	2.45	-2.13	1.21
12,732.00	89.29	147.06	6,677.91	-6,081.87	2,028.78	6,411.32	0.90	0.36	-0.83
Last SDI MWD @ 12732 MD									
12,805.00	89.29	147.06	6,678.81	-6,143.13	2,068.48	6,482.01	0.00	0.00	0.00
Projection to Bit @ 12805 MD									

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
93.00		Conductor Casing	24	24
901.00		Surface Casing	13-3/8	17-1/2
2,240.00		Casing Intermediate	9-5/8	12-1/4
12,732.00	6,677.91	Production Casing	5-1/2	8-1/2