



Stone Energy Corporation

Mary Prospect
Conley Pad
Conley 9H - Slot Conley 9H

OH

Design: As Drilled

Standard Survey Report

10 October, 2014



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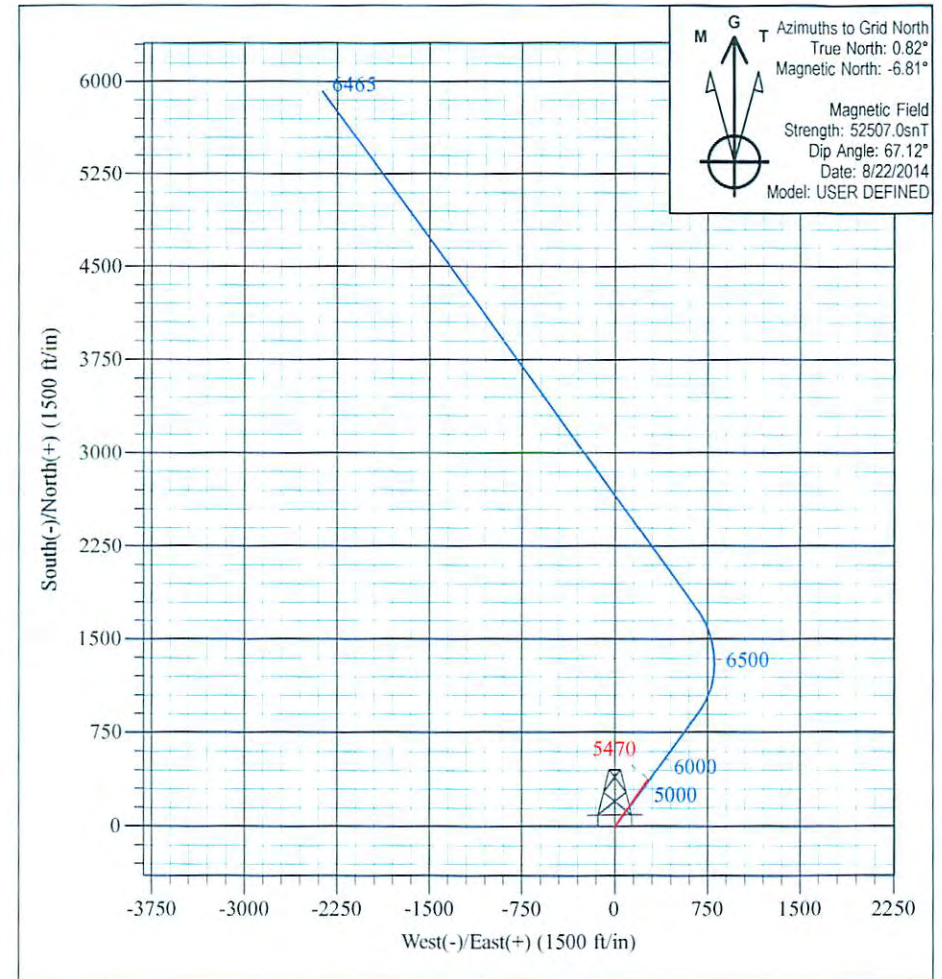
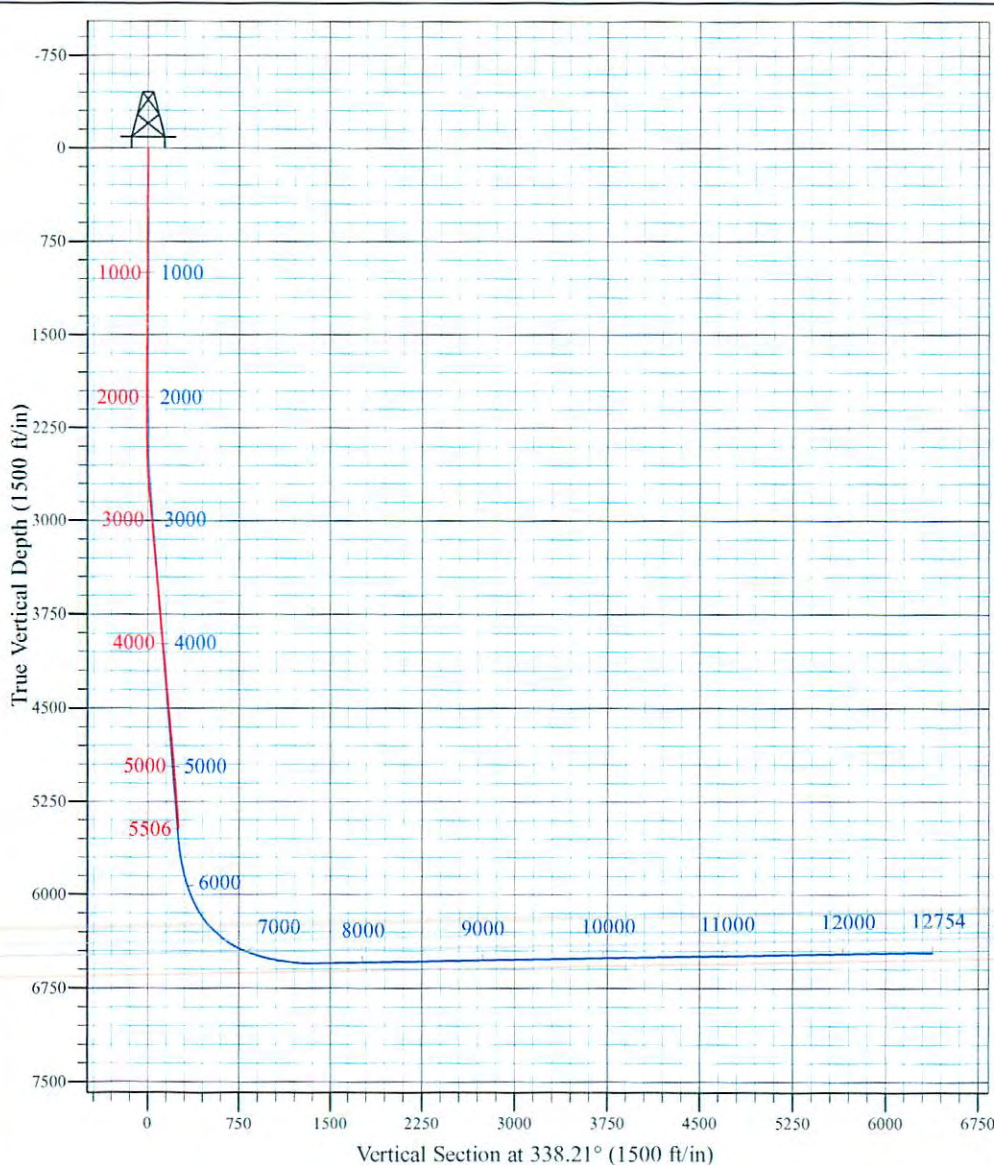
Conley Pad
 Conley 9H
 As Drilled
 GL 855' KB 10' @ 865.00ft (Highlands 2)
 Mary Prospect

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: Conley 9H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	405652.59	1636907.78	39° 36' 23.766 N	80° 47' 19.413 W	Conley 9H



Robert Ebbecke
 10:37, October 10 2014
 Scientific Drilling International
 124 Vista Drive
 Charleroi, PA 15022



Scientific Drilling International
Survey Report



Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Conley 9H - Slot Conley 9H
Project:	Mary Prospect	TVD Reference:	GL 855' KB 10' @ 865.00ft (Highlands 2)
Site:	Conley Pad	MD Reference:	GL 855' KB 10' @ 865.00ft (Highlands 2)
Well:	Conley 9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Northeast District

Project	Mary Prospect, 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	Conley Pad				
Site Position:		Northing:	405,606.05 usft	Latitude:	39° 36' 23.297 N
From:	Map	Easting:	1,636,842.70 usft	Longitude:	80° 47' 20.236 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.82 °

Well	Conley 9H - Slot Conley 9H					
Well Position	+N-S	0.00 ft	Northing:	405,652.59 usft	Latitude:	39° 36' 23.766 N
	+E-W	0.00 ft	Easting:	1,636,907.78 usft	Longitude:	80° 47' 19.413 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	855.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	5/2/2014	-8.57	67.10	52,427
	HDGM	6/11/2014	-7.62	66.87	52,534
	User Defined	8/22/2014	-7.63	67.12	52,507

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		338.21

Survey Program	Date	10/10/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
10.00	2,227.00	Survey #1 - 9-5/8" Casing VES Gyro (OH)	VES GyroFlex		
2,300.00	5,506.00	Survey #2 - 8-7/8 Hole SDI MWD Surveys	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
10.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First 9-5/8" Casing VES Gyro Survey @ 10.00 MD										
100.00	0.30	109.76	100.00	-0.08	0.22	-0.16	0.33	0.33	0.00	0.00
200.00	0.07	147.83	200.00	-0.22	0.50	-0.39	0.25	-0.23	38.07	0.00
300.00	0.16	152.99	300.00	-0.40	0.60	-0.59	0.09	0.09	5.16	0.00
400.00	0.15	139.24	400.00	-0.62	0.75	-0.85	0.04	-0.01	-13.75	0.00



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Site:	Conley Pad	MD Reference:	GL 855' KB 10' @ 865.00ft (Highlands 2)
Well:	Conley 9H	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	0.28	103.17	500.00	-0.77	1.07	-1.12	0.18	0.13	-36.07	
600.00	0.17	107.35	600.00	-0.87	1.45	-1.35	0.11	-0.11	4.18	
700.00	0.29	142.56	700.00	-1.12	1.74	-1.69	0.18	0.12	35.21	
800.00	0.15	153.79	800.00	-1.44	1.96	-2.06	0.15	-0.14	11.23	
900.00	0.26	172.30	899.99	-1.78	2.04	-2.41	0.13	0.11	18.51	
1,000.00	0.24	137.51	999.99	-2.16	2.22	-2.83	0.15	-0.02	-34.79	
1,100.00	0.29	162.53	1,099.99	-2.56	2.43	-3.28	0.12	0.05	25.02	
1,200.00	0.29	170.80	1,199.99	-3.05	2.55	-3.78	0.04	0.00	8.27	
1,300.00	0.28	173.99	1,299.99	-3.54	2.62	-4.26	0.02	-0.01	3.19	
1,400.00	0.22	160.31	1,399.99	-3.96	2.71	-4.68	0.08	-0.06	-13.68	
1,500.00	0.13	148.21	1,499.99	-4.24	2.83	-4.99	0.10	-0.09	-12.10	
1,600.00	0.14	121.88	1,599.99	-4.40	2.99	-5.20	0.06	0.01	-26.33	
1,700.00	0.09	124.20	1,699.99	-4.51	3.16	-5.36	0.05	-0.05	2.32	
1,800.00	0.24	136.86	1,799.99	-4.71	3.37	-5.62	0.15	0.15	12.66	
1,900.00	0.31	123.97	1,899.99	-5.01	3.74	-6.04	0.09	0.07	-12.89	
2,000.00	0.28	111.92	1,999.99	-5.25	4.19	-6.43	0.07	-0.03	-12.05	
2,100.00	0.22	131.87	2,099.98	-5.47	4.56	-6.77	0.10	-0.06	19.95	
2,200.00	0.31	126.72	2,199.98	-5.76	4.92	-7.18	0.09	0.09	-5.15	
2,227.00	0.44	110.75	2,226.98	-5.84	5.07	-7.31	0.61	0.48	-59.15	
Last 9-5/8" Casing VES Gyro Survey @ 2227.00 MD										
2,300.00	0.48	58.15	2,299.98	-5.78	5.60	-7.44	0.56	0.05	-72.05	
First 8-7/8" Hole SDI MWD Survey @ 2300.00 MD										
2,394.00	1.01	43.64	2,393.97	-4.97	6.50	-7.03	0.59	0.56	-15.44	
2,489.00	3.10	29.99	2,488.91	-2.14	8.36	-5.09	2.24	2.20	-14.37	
2,583.00	4.66	20.16	2,582.69	3.64	10.95	-0.68	1.80	1.66	-10.46	
2,677.00	6.15	22.39	2,676.27	11.88	14.18	5.77	1.60	1.59	2.37	
2,771.00	7.27	25.20	2,769.62	21.92	18.64	13.44	1.24	1.19	2.99	
2,865.00	8.44	29.62	2,862.74	33.30	24.58	21.80	1.40	1.24	4.70	
2,959.00	9.02	32.45	2,955.65	45.52	31.94	30.41	0.77	0.62	3.01	
3,054.00	9.43	36.61	3,049.42	58.05	40.58	38.84	0.82	0.43	4.38	
3,148.00	9.31	35.54	3,142.17	70.42	49.59	46.98	0.23	-0.13	-1.14	
3,242.00	9.43	30.39	3,234.92	83.25	57.91	55.80	0.90	0.13	-5.48	
3,335.00	9.78	33.61	3,326.61	96.40	66.13	64.96	0.69	0.38	3.46	
3,429.00	10.23	41.33	3,419.19	109.31	76.06	73.27	1.50	0.48	8.21	
3,526.00	10.21	40.59	3,514.65	122.31	87.35	81.15	0.14	-0.02	-0.76	
3,620.00	10.32	36.07	3,607.15	135.44	97.72	89.49	0.86	0.12	-4.81	
3,714.00	9.71	31.85	3,699.72	148.98	106.86	98.67	1.01	-0.65	-4.49	
3,808.00	9.54	35.25	3,792.39	162.08	115.54	107.61	0.63	-0.18	3.62	
3,902.00	9.66	34.36	3,885.08	174.95	124.49	116.24	0.20	0.13	-0.95	
3,996.00	9.01	37.97	3,977.83	187.26	133.47	124.34	0.93	-0.69	3.84	
4,090.00	8.95	37.32	4,070.68	198.88	142.43	131.80	0.13	-0.06	-0.69	
4,184.00	8.73	32.60	4,163.56	210.70	150.71	139.71	0.81	-0.23	-5.02	
4,278.00	9.13	36.51	4,256.43	222.71	158.99	147.78	0.77	0.43	4.16	
4,372.00	9.10	35.44	4,349.24	234.76	167.74	155.72	0.18	-0.03	-1.14	



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Well:	Conley 9H	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)	
4,466.00	9.23	31.98	4,442.04	247.21	176.04	164.20	0.60	0.14	-3.68	
4,560.00	9.52	35.26	4,534.78	259.95	184.52	172.88	0.65	0.31	3.49	
4,652.00	9.88	36.40	4,625.47	272.52	193.60	181.18	0.44	0.39	1.24	
4,746.00	9.19	30.96	4,718.17	285.45	202.24	189.98	1.21	-0.73	-5.79	
4,840.00	8.87	34.51	4,811.01	297.85	210.21	198.54	0.68	-0.34	3.78	
4,934.00	8.35	30.99	4,903.95	309.68	217.83	206.69	0.79	-0.55	-3.74	
5,028.00	8.85	34.24	4,996.89	321.51	225.41	214.86	0.74	0.53	3.46	
5,122.00	8.89	38.85	5,089.77	333.14	234.04	222.46	0.76	0.04	4.90	
5,216.00	8.33	36.66	5,182.71	344.26	242.66	229.59	0.69	-0.60	-2.33	
5,311.00	8.31	40.37	5,276.71	355.01	251.22	236.39	0.57	-0.02	3.91	
5,405.00	7.83	39.64	5,369.78	365.12	259.70	242.63	0.52	-0.51	-0.78	
Last 8-7/8" Hole SDI MWD Survey @ 5405.00 MD										
5,506.00	7.83	39.64	5,469.84	375.71	268.48	249.21	0.00	0.00	0.00	
Projection to Bit @ 5506.00 MD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
10.00	10.00	0.00	0.00	First 9-5/8" Casing VES Gyro Survey @ 10.00 MD	
2,227.00	2,226.98	-5.84	5.07	Last 9-5/8" Casing VES Gyro Survey @ 2227.00 MD	
2,300.00	2,299.98	-5.78	5.60	First 8-7/8" Hole SDI MWD Survey @ 2300.00 MD	
5,405.00	5,369.78	365.12	259.70	Last 8-7/8" Hole SDI MWD Survey @ 5405.00 MD	
5,506.00	5,469.84	375.71	268.48	Projection to Bit @ 5506.00 MD	

Checked By: _____ Approved By: _____ Date: _____