



Stone Energy Corporation

Mary Prospect
Conley Pad
Conley 3H - Slot Conley 3H

OH

Design: As Drilled

Standard Survey Report

02 October, 2014



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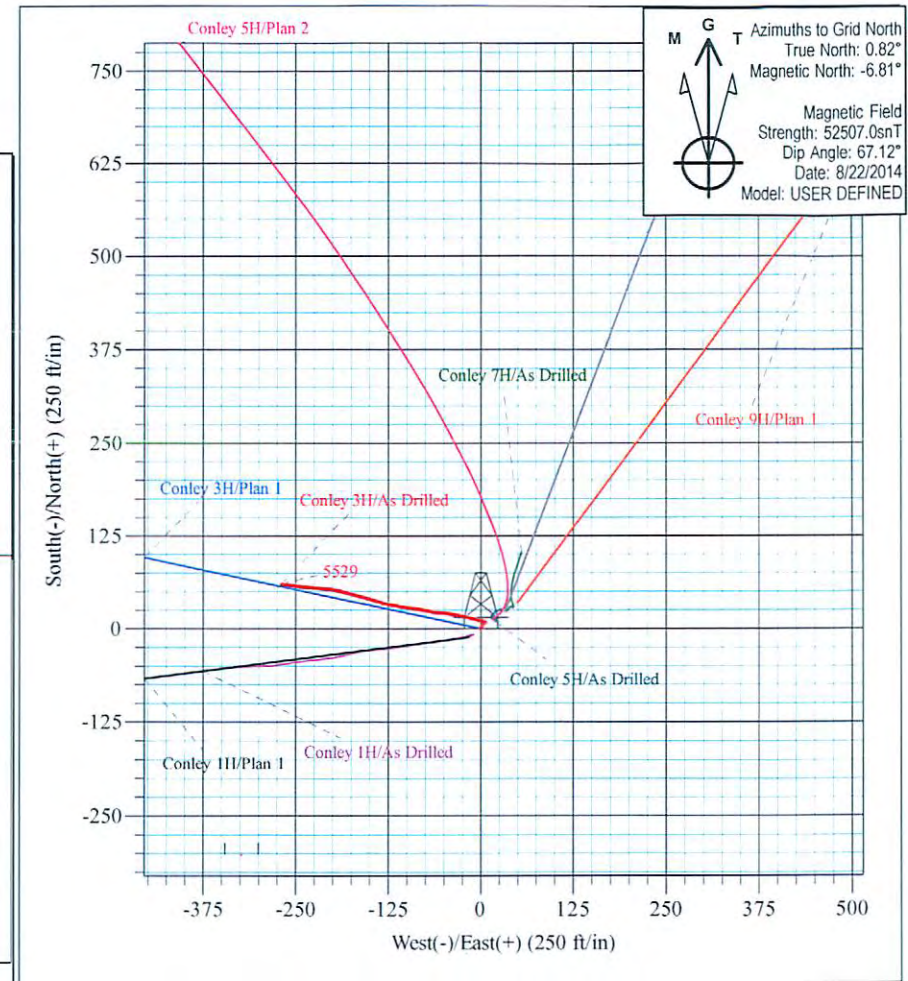
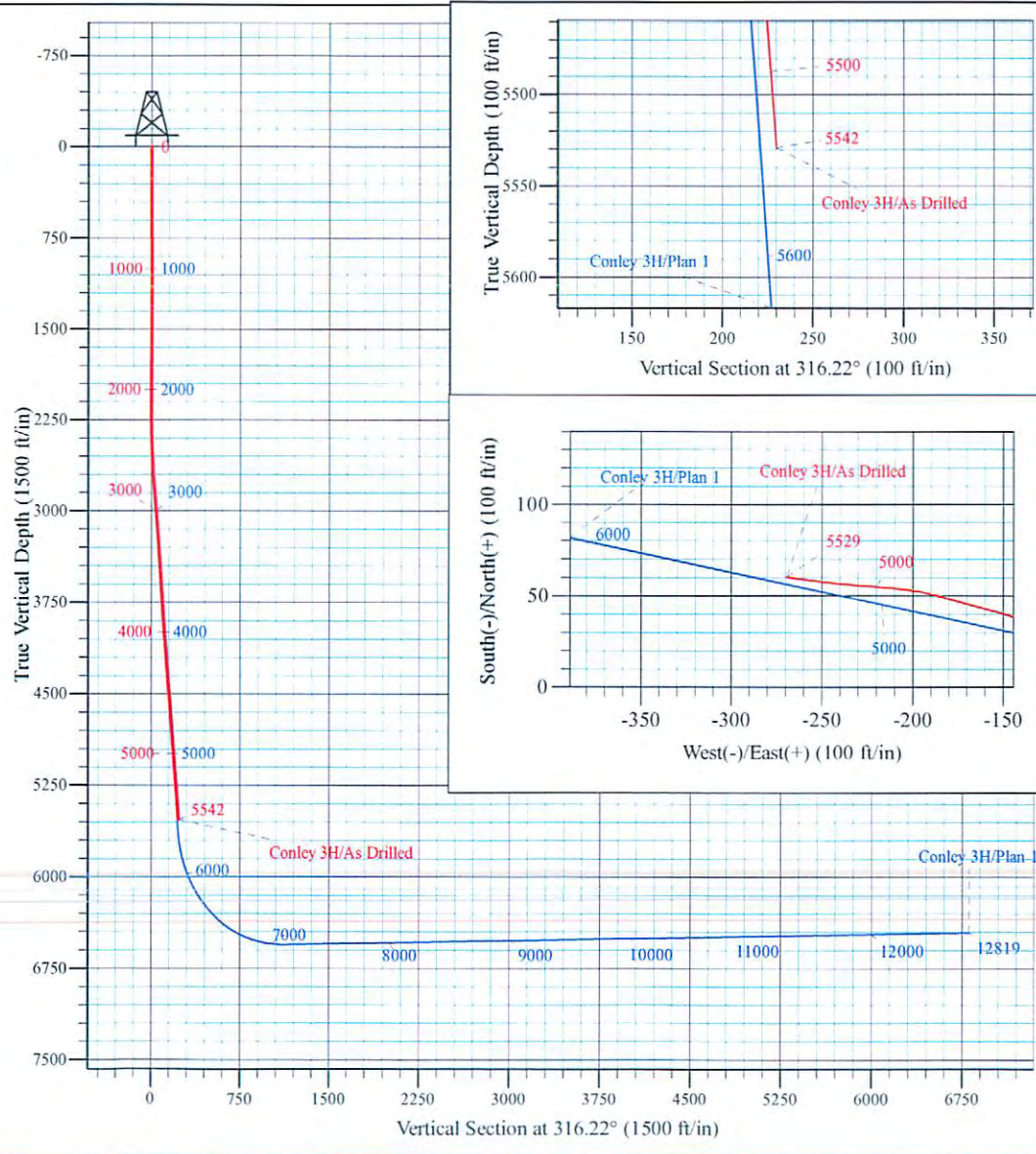
Conley Pad
 Conley 3H
 As Drilled
 GL 855' KB 10' @ 865.00ft (Highlands 2)
 Mary Prospect

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 3H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	405617.69	1636858.94	39° 36' 23.414 N	80° 47' 20.031 W



Shane Rhodes
 12:49, October 01 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 3H - Slot Conley 3H
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 3H	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 3H - Slot Conley 3H					
Well Position	+N/-S	0.00 ft	Northing:	405,617.69 usft	Latitude:	39° 36' 23.414 N
	+E/-W	0.00 ft	Easting:	1,636,858.94 usft	Longitude:	80° 47' 20.031 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)
	BGGM2014	5/7/2014	-8.53	67.13	52,432
	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		316.22

Survey Program	Date	10/2/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
10.00	2,149.00	Survey #1 - SDI Gyro in Drill Pipe (OH)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
2,268.00	5,542.00	Survey #2 - SDI MWD 8-7/8 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
10.00	0.00	360.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First SDI Gyro @ 10 MD										
100.00	0.38	12.17	100.00	0.29	0.06	0.17	0.42	0.42	0.00	0.00
200.00	0.68	15.27	199.99	1.19	0.29	0.66	0.30	0.30	3.10	0.00
300.00	0.59	26.12	299.99	2.22	0.67	1.14	0.15	-0.09	10.85	0.00
400.00	0.38	33.82	399.99	2.96	1.08	1.39	0.22	-0.21	7.70	0.00



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Site:	Conley Pad	MD Reference:	GL 855' KB 10' @ 865.00ft (Highlands 2)
Well:	Conley 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	0.36	20.96	499.98	3.53	1.38	1.59	0.09	-0.02	-12.86	
600.00	0.34	27.52	599.98	4.09	1.63	1.82	0.04	-0.02	6.56	
700.00	0.38	40.59	699.98	4.60	1.98	1.95	0.09	0.04	13.07	
800.00	0.35	46.49	799.98	5.06	2.42	1.98	0.05	-0.03	5.90	
900.00	0.42	20.56	899.98	5.62	2.77	2.14	0.19	0.07	-25.93	
1,000.00	0.32	43.00	999.97	6.16	3.09	2.31	0.17	-0.10	22.44	
1,100.00	0.29	58.94	1,099.97	6.50	3.50	2.27	0.09	-0.03	15.94	
1,200.00	0.16	49.90	1,199.97	6.72	3.82	2.21	0.13	-0.13	-9.04	
1,300.00	0.17	27.34	1,299.97	6.94	4.00	2.25	0.07	0.01	-22.56	
1,400.00	0.13	19.89	1,399.97	7.18	4.10	2.35	0.04	-0.04	-7.45	
1,500.00	0.15	38.49	1,499.97	7.39	4.22	2.41	0.05	0.02	18.60	
1,600.00	0.14	30.98	1,599.97	7.60	4.37	2.46	0.02	-0.01	-7.51	
1,700.00	0.08	62.96	1,699.97	7.73	4.49	2.47	0.08	-0.06	31.98	
1,800.00	0.12	74.48	1,799.97	7.79	4.65	2.41	0.04	0.04	11.52	
1,900.00	0.25	70.17	1,899.97	7.89	4.96	2.27	0.13	0.13	-4.31	
2,000.00	0.32	58.40	1,999.97	8.11	5.40	2.12	0.09	0.07	-11.77	
2,100.00	0.30	55.96	2,099.97	8.41	5.86	2.02	0.02	-0.02	-2.44	
2,149.00	0.33	59.88	2,148.97	8.55	6.09	1.96	0.08	0.06	8.00	
Last SDI Gyro @ 2149 MD										
2,268.00	0.37	0.77	2,267.96	9.11	6.39	2.15	0.29	0.03	-49.67	
First SDI MWD @ 2268 MD										
2,362.00	1.79	290.28	2,361.95	9.92	5.02	3.69	1.81	1.51	-74.99	
2,456.00	2.01	283.04	2,455.89	10.80	2.03	6.39	0.35	0.23	-7.70	
2,550.00	3.22	283.87	2,549.80	11.80	-2.14	10.00	1.29	1.29	0.88	
2,644.00	4.39	282.24	2,643.59	13.20	-8.22	15.21	1.25	1.24	-1.73	
2,738.00	5.87	284.23	2,737.21	15.14	-16.39	22.28	1.59	1.57	2.12	
2,832.00	6.49	281.81	2,830.66	17.41	-26.25	30.74	0.72	0.66	-2.57	
2,926.00	6.16	281.09	2,924.09	19.47	-36.40	39.24	0.36	-0.35	-0.77	
3,021.00	5.96	276.75	3,018.56	21.03	-46.30	47.22	0.53	-0.21	-4.57	
3,115.00	5.56	271.21	3,112.08	21.70	-55.70	54.21	0.73	-0.43	-5.89	
3,209.00	5.74	281.77	3,205.63	22.76	-64.85	61.30	1.12	0.19	11.23	
3,303.00	5.50	280.86	3,299.18	24.56	-73.88	68.85	0.27	-0.26	-0.97	
3,400.00	5.00	279.44	3,395.77	26.13	-82.62	76.03	0.53	-0.52	-1.46	
3,494.00	4.98	277.86	3,489.41	27.36	-90.70	82.51	0.15	-0.02	-1.68	
3,588.00	4.55	273.26	3,583.09	28.13	-98.46	88.44	0.61	-0.46	-4.89	
3,683.00	5.09	282.92	3,677.76	29.29	-106.33	94.72	1.02	0.57	10.17	
3,776.00	4.75	283.48	3,770.41	31.11	-114.10	101.41	0.37	-0.37	0.60	
3,871.00	3.95	277.33	3,865.14	32.44	-121.17	107.26	0.97	-0.84	-6.47	
3,965.00	4.29	282.62	3,958.90	33.62	-127.81	112.71	0.54	0.36	5.63	
4,058.00	5.14	290.24	4,051.58	35.83	-135.11	119.35	1.13	0.91	8.19	
4,153.00	4.83	286.88	4,146.22	38.46	-142.93	126.67	0.45	-0.33	-3.54	
4,247.00	4.28	285.70	4,239.92	40.56	-150.10	133.14	0.59	-0.59	-1.26	
4,341.00	4.57	284.24	4,333.64	42.43	-157.10	139.34	0.33	0.31	-1.55	
4,435.00	5.90	284.51	4,427.25	44.56	-165.41	146.62	1.42	1.41	0.29	



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Well:	Conley 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)	
4,530.00	6.24	285.10	4,521.72	47.13	-175.12	155.20	0.36	0.36	0.62	
4,625.00	6.27	286.33	4,616.15	49.93	-185.09	164.12	0.14	0.03	1.29	
4,719.00	5.18	280.89	4,709.68	52.18	-194.18	172.03	1.29	-1.16	-5.79	
4,813.00	5.03	277.11	4,803.31	53.49	-202.43	178.69	0.39	-0.16	-4.02	
4,908.00	5.07	275.63	4,897.94	54.42	-210.74	185.11	0.14	0.04	-1.56	
5,002.00	5.27	274.21	4,991.56	55.14	-219.18	191.47	0.25	0.21	-1.51	
5,096.00	5.46	273.98	5,085.15	55.77	-227.95	197.99	0.20	0.20	-0.24	
5,190.00	5.35	275.41	5,178.73	56.49	-236.77	204.62	0.18	-0.12	1.52	
5,284.00	5.29	276.68	5,272.32	57.41	-245.44	211.28	0.14	-0.06	1.35	
5,378.00	5.31	276.56	5,365.92	58.41	-254.07	217.97	0.02	0.02	-0.13	
5,472.00	5.30	278.22	5,459.52	59.53	-262.68	224.74	0.16	-0.01	1.77	
Last SDI MWD @ 5472 MD										
5,542.00	5.30	278.22	5,529.22	60.45	-269.08	229.83	0.00	0.00	0.00	
Projection to Bit @ 5542 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 SDI Gyro @ 10 MD	
2,149.00	2,148.97	8.55	6.09	Last SDI Gyro @ 2149 MD	
2,268.00	2,267.96	9.11	6.39	First SDI MWD @ 2268 MD	
5,472.00	5,459.52	59.53	-262.68	Last SDI MWD @ 5472 MD	
5,542.00	5,529.22	60.45	-269.08	Projection to Bit @ 5542 MD	

Checked By: _____ Approved By: _____ Date: _____