



# Stone Energy Corporation

Mary Prospect  
Tracy Pad  
Tracy 2H - Slot 2

OH

Design: As Drilled

## Standard Survey Report

02 December, 2014



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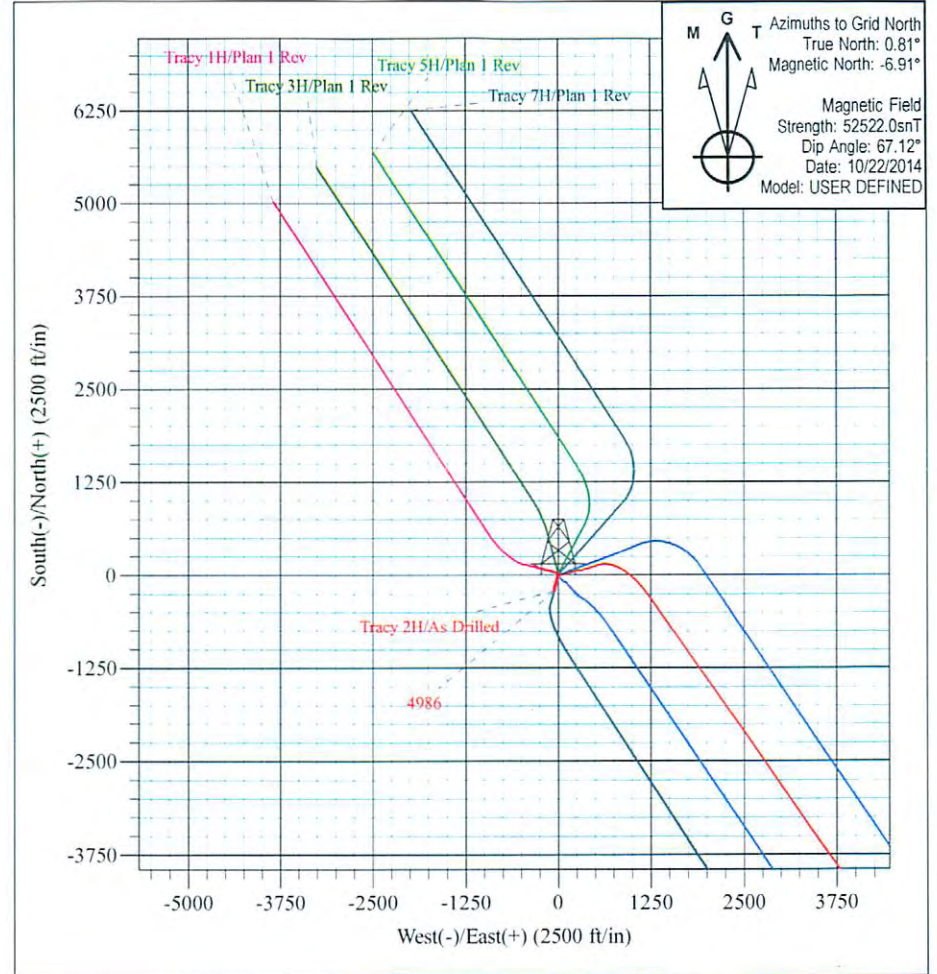
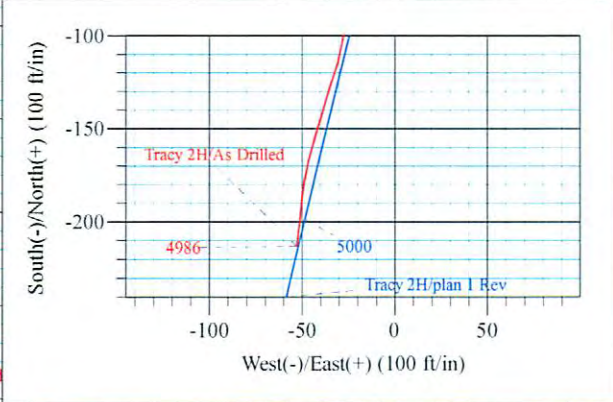
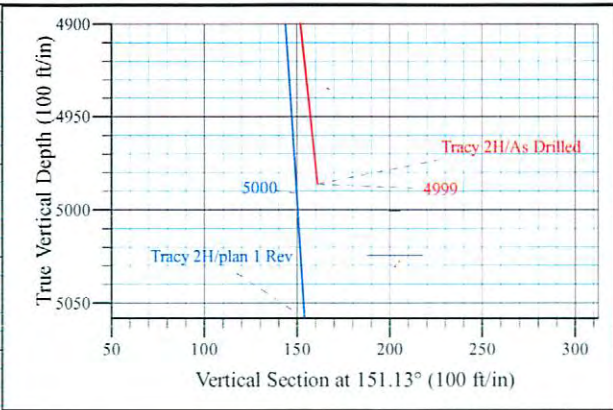
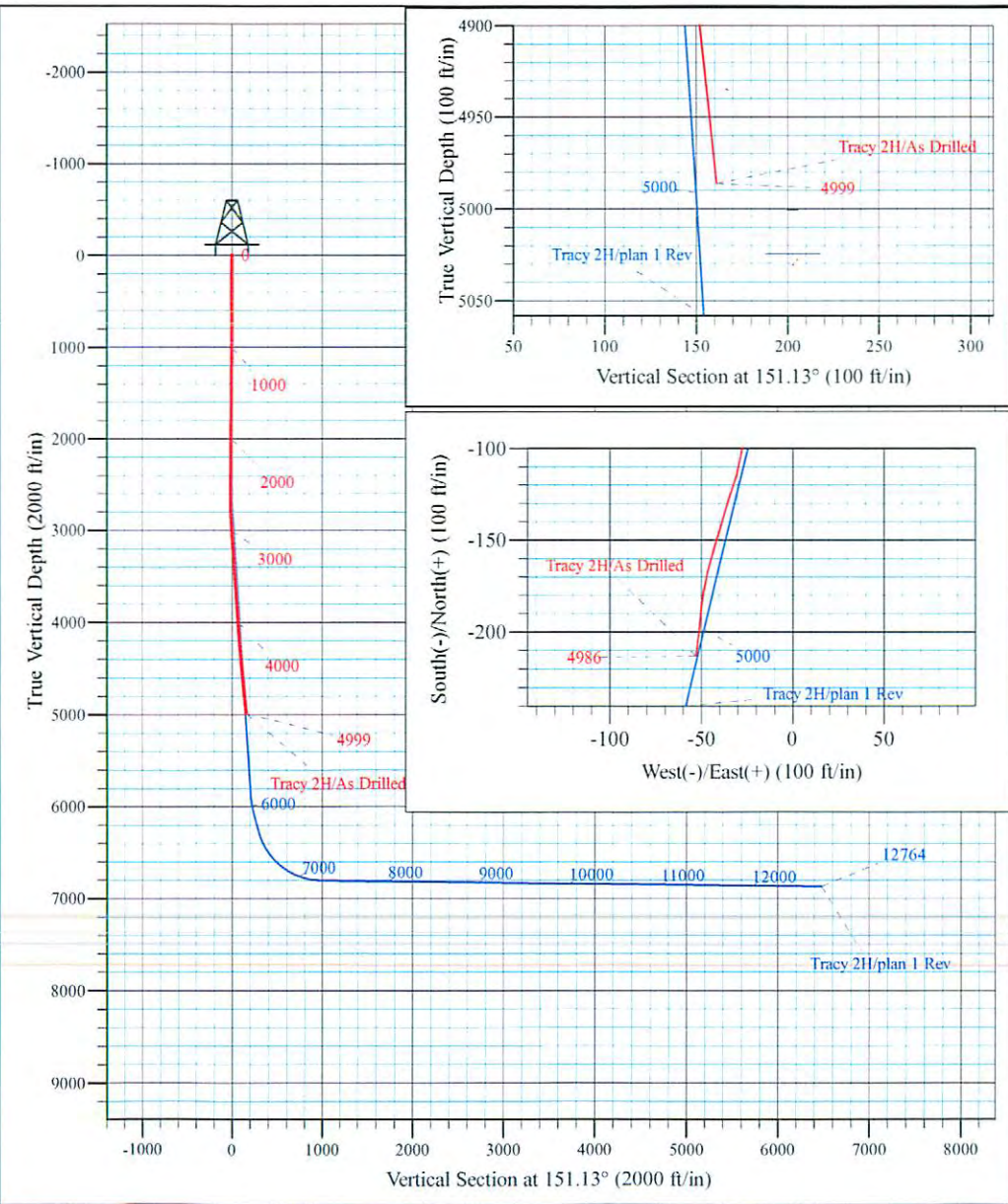
Tracy Pad  
 Tracy 2H  
 As Drilled  
 GL 1101' & KB 10' @ 1111.00ft (Highlands 2)  
 Mary Prospect

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: Tracy 2H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	410121.11	1644309.17	39° 37' 8.966 N	80° 45' 45.657 W



Shane Rhodes  
 8:03, December 02 2014  
 Scientific Drilling International  
 124 Vista Drive  
 Charleroi, PA 15022



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Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Tracy 2H - Slot 2
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
<b>Site:</b>	Tracy Pad	<b>MD Reference:</b>	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
<b>Well:</b>	Tracy 2H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Northeast District

<b>Project</b>	Mary Prospect, Wetzel County, West Virginia		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	West Virginia North 4701		

<b>Site</b>	Tracy Pad				
<b>Site Position:</b>		<b>Northing:</b>	410,140.88 usft	<b>Latitude:</b>	39° 37' 9.161 N
<b>From:</b>	Map	<b>Easting:</b>	1,644,306.16 usft	<b>Longitude:</b>	80° 45' 45.699 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.81 °

<b>Well</b>	Tracy 2H - Slot 2					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	410,121.11 usft	<b>Latitude:</b>	39° 37' 8.966 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	1,644,309.17 usft	<b>Longitude:</b>	80° 45' 45.657 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft	<b>Ground Level:</b>	1,101.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	User Defined	9/25/2014	-7.70	67.13	52,533
	User Defined	10/22/2014	-7.71	67.12	52,522

<b>Design</b>	As Drilled				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00		151.13

<b>Survey Program</b>	<b>Date</b>	12/2/2014			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
10.00	2,365.00	Survey #1 - SDI Gyro (OH)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
2,483.00	4,999.00	Survey #2 - SDI MWD (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
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	
<b>First SDI Gyro @ 10 MD</b>										
100.00	0.84	56.85	100.00	0.36	0.55	-0.05	0.93	0.93	0.00	
200.00	0.61	48.54	199.99	1.11	1.56	-0.22	0.25	-0.23	-8.31	
300.00	0.35	28.97	299.99	1.73	2.11	-0.50	0.30	-0.26	-19.57	
400.00	0.20	31.87	399.98	2.15	2.35	-0.75	0.15	-0.15	2.90	
500.00	0.09	291.82	499.98	2.33	2.37	-0.89	0.23	-0.11	-100.05	



Scientific Drilling International  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Tracy 2H - Slot 2
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
<b>Site:</b>	Tracy Pad	<b>MD Reference:</b>	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
<b>Well:</b>	Tracy 2H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	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)	
600.00	0.09	2.96	599.98	2.43	2.30	-1.02	0.10	0.00	71.14	
700.00	0.08	328.93	699.98	2.57	2.27	-1.16	0.05	-0.01	-34.03	
800.00	0.08	5.29	799.98	2.70	2.24	-1.28	0.05	0.00	36.36	
900.00	0.08	91.59	899.98	2.77	2.32	-1.31	0.11	0.00	86.30	
1,000.00	0.01	277.61	999.98	2.77	2.38	-1.28	0.09	-0.07	-173.98	
1,100.00	0.10	64.01	1,099.98	2.81	2.45	-1.28	0.11	0.09	146.40	
1,171.33	0.19	325.01	1,171.31	2.93	2.44	-1.39	0.32	0.13	-138.79	
1,200.00	0.17	2.89	1,199.98	3.01	2.41	-1.47	0.41	-0.07	132.12	
1,300.00	0.22	1.50	1,299.98	3.35	2.42	-1.77	0.05	0.05	-1.39	
1,400.00	0.20	16.50	1,399.98	3.71	2.48	-2.05	0.06	-0.02	15.00	
1,485.00	0.44	351.77	1,484.98	4.18	2.47	-2.46	0.32	0.28	-29.09	
1,600.00	0.24	19.94	1,599.98	4.84	2.49	-3.04	0.22	-0.17	24.50	
1,700.00	0.37	6.22	1,699.98	5.36	2.60	-3.44	0.15	0.13	-13.72	
1,800.00	0.65	27.98	1,799.97	6.18	2.90	-4.01	0.34	0.28	21.76	
1,900.00	0.48	359.08	1,899.97	7.10	3.16	-4.69	0.33	-0.17	-28.90	
1,988.00	0.53	3.91	1,987.96	7.88	3.18	-5.36	0.07	0.06	5.49	
2,100.00	0.56	352.81	2,099.96	8.94	3.15	-6.31	0.10	0.03	-9.91	
2,144.00	0.76	347.48	2,143.96	9.43	3.06	-6.78	0.47	0.45	-12.11	
2,200.00	0.52	352.25	2,199.95	10.05	2.94	-7.38	0.44	-0.43	8.52	
2,300.00	0.61	351.56	2,299.95	11.02	2.80	-8.30	0.09	0.09	-0.69	
2,365.00	0.76	346.62	2,364.94	11.79	2.65	-9.04	0.25	0.23	-7.60	
<b>Last SDI Gyro @ 2365 MD</b>										
2,483.00	0.70	335.39	2,482.93	13.20	2.17	-10.51	0.13	-0.05	-9.52	
<b>First SDI MWD @ 2483 MD</b>										
2,577.00	0.98	268.18	2,576.93	13.70	1.13	-11.45	1.02	0.30	-71.50	
2,672.00	1.60	246.58	2,671.90	13.15	-0.90	-11.95	0.82	0.65	-22.74	
2,766.00	2.69	219.08	2,765.84	10.91	-3.49	-11.24	1.56	1.16	-29.26	
2,860.00	3.85	199.55	2,859.69	6.23	-5.94	-8.32	1.69	1.23	-20.78	
2,954.00	5.12	183.60	2,953.40	-0.93	-7.26	-2.69	1.88	1.35	-16.97	
3,048.00	5.17	181.53	3,047.02	-9.35	-7.64	4.50	0.20	0.05	-2.20	
3,142.00	4.65	179.31	3,140.68	-17.40	-7.70	11.52	0.59	-0.55	-2.36	
3,237.00	5.12	185.60	3,235.33	-25.47	-8.07	18.41	0.75	0.49	6.62	
3,331.00	5.14	192.23	3,328.96	-33.76	-9.37	25.04	0.63	0.02	7.05	
3,425.00	6.12	195.09	3,422.50	-42.71	-11.57	31.82	1.08	1.04	3.04	
3,519.00	5.78	195.94	3,515.99	-52.10	-14.17	38.78	0.37	-0.36	0.90	
3,613.00	6.19	196.38	3,609.48	-61.51	-16.90	45.71	0.44	0.44	0.47	
3,707.00	6.02	196.33	3,702.95	-71.11	-19.72	52.75	0.18	-0.18	-0.05	
3,802.00	5.34	196.87	3,797.48	-80.12	-22.40	59.34	0.72	-0.72	0.57	
3,896.00	5.56	193.99	3,891.06	-88.72	-24.77	65.73	0.37	0.23	-3.06	
3,991.00	5.11	193.05	3,985.64	-97.31	-26.84	72.26	0.48	-0.47	-0.99	
4,085.00	5.41	191.54	4,079.25	-105.73	-28.67	78.74	0.35	0.32	-1.61	
4,179.00	5.20	193.50	4,172.85	-114.21	-30.55	85.27	0.30	-0.22	2.09	
4,273.00	5.87	200.09	4,266.41	-122.87	-33.20	91.57	0.98	0.71	7.01	
4,367.00	7.39	196.33	4,359.78	-133.19	-36.55	98.99	1.68	1.62	-4.00	



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## Survey Report



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<b>Well:</b>	Tracy 2H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	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)	
4,461.00	7.45	195.64	4,452.99	-144.85	-39.89	107.59	0.11	0.06	-0.73	
4,555.00	7.20	198.17	4,546.22	-156.32	-43.37	115.95	0.43	-0.27	2.69	
4,649.00	6.80	192.01	4,639.52	-167.36	-46.37	124.17	0.90	-0.43	-6.55	
4,743.00	7.54	190.92	4,732.79	-178.86	-48.69	133.12	0.80	0.79	-1.16	
4,838.00	8.12	184.45	4,826.90	-191.67	-50.39	143.52	1.11	0.61	-6.81	
4,932.00	7.55	187.84	4,920.03	-204.41	-51.75	154.01	0.78	-0.61	3.61	
<b>Last SDI MWD @ 4932 MD</b>										
4,999.00	7.55	187.84	4,986.45	-213.13	-52.95	161.07	0.00	0.00	0.00	
<b>Projection to Bit @ 4999 MD</b>										

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	
2,365.00	2,364.94	11.79	2.65	Last SDI Gyro @ 2365 MD	
2,483.00	2,482.93	13.20	2.17	First SDI MWD @ 2483 MD	
4,932.00	4,920.03	-204.41	-51.75	Last SDI MWD @ 4932 MD	
4,999.00	4,986.45	-213.13	-52.95	Projection to Bit @ 4999 MD	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_