



Project: Mary Prospect  
 Site: Smith Pad  
 Well: 6H  
 Wellbore: OH  
 Design: Smith 6H As Drilled



WELL DETAILS: 6H

+N/-S	+E/-W	Northing	Ground Level: Easting	1321.00	Latitude	Longitude
0.00	0.00	420210.00	1630844.00		39° 38' 46.766 N	80° 48' 39.597 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well 6H, Grid North  
 Vertical (TVD) Reference: GL 1321' & KB 18' @ 1339.00ft (Saxon 141)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: GL 1321' & KB 18' @ 1339.00ft (Saxon 141)  
 Calculation Method: Minimum Curvature

PROJECT DETAILS: Mary Prospect

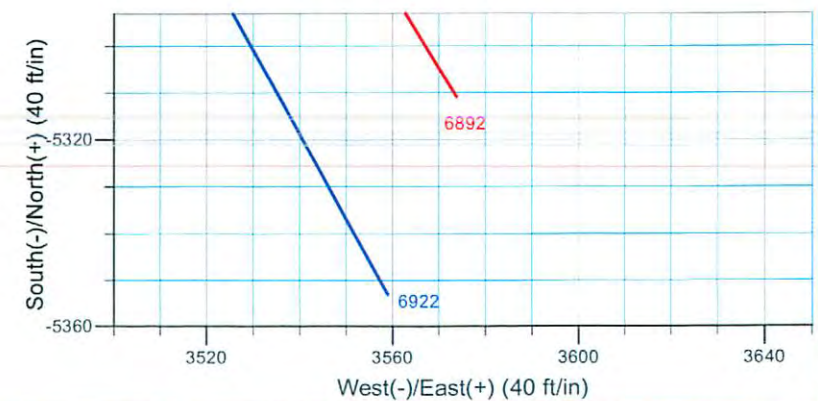
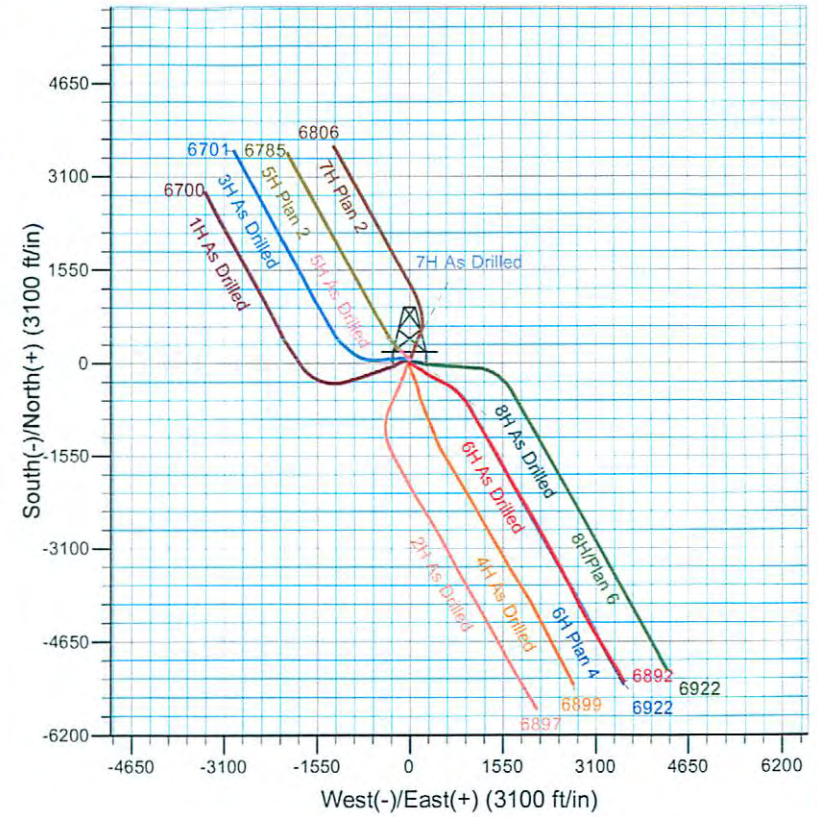
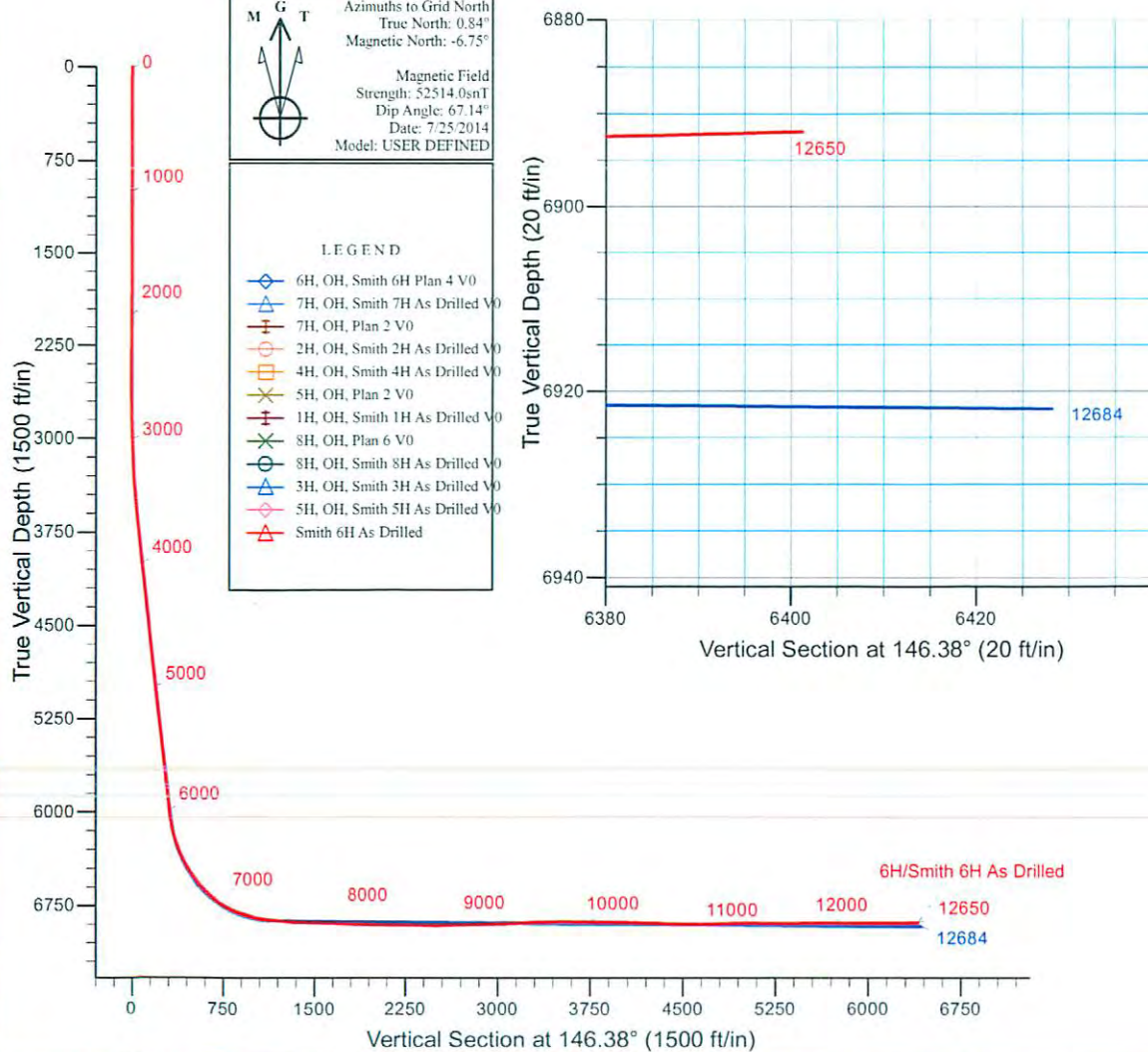
Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: West Virginia North 4701  
 System Datum: Mean Sea Level

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VScet	Target
1	5895.01	6.76	123.95	5874.74	-171.31	283.67	0.00	0.00	299.71	
2	6053.01	6.76	123.95	6031.64	-181.69	299.09	0.00	0.00	316.89	
3	6811.24	52.27	116.72	6674.37	-350.38	621.06	6.01	-8.01	635.64	
4	7421.17	89.50	151.00	6876.00	-750.00	1008.00	8.00	48.48	1182.65	Smith 6H LP3
	512684.01	89.50	151.00	6921.93	-5353.01	3559.01	0.00	0.00	6428.16	Smith 6H BHL3

Azimuths to Grid North  
 True North: 0.84°  
 Magnetic North: -6.75°

Magnetic Field  
 Strength: 52514.0snT  
 Dip Angle: 67.14°  
 Date: 7/25/2014  
 Model: USER DEFINED

- LEGEND
- 6H, OH, Smith 6H Plan 4 V0
  - 7H, OH, Smith 7H As Drilled V0
  - 7H, OH, Plan 2 V0
  - 2H, OH, Smith 2H As Drilled V0
  - 4H, OH, Smith 4H As Drilled V0
  - 5H, OH, Plan 2 V0
  - 1H, OH, Smith 1H As Drilled V0
  - 8H, OH, Plan 6 V0
  - 8H, OH, Smith 8H As Drilled V0
  - 3H, OH, Smith 3H As Drilled V0
  - 5H, OH, Smith 5H As Drilled V0
  - Smith 6H As Drilled





## Stone Energy

Mary Prospect

Smith Pad

6H

OH

Design: Smith 6H As Drilled

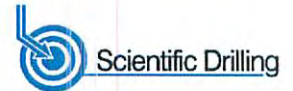
## Standard Survey Report

05 August, 2014



[www.scientificdrilling.com](http://www.scientificdrilling.com)

06/02/2017



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 6H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Site:</b>	Smith Pad	<b>MD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Well:</b>	6H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Smith 6H As Drilled	<b>Database:</b>	Northeast District

<b>Project</b>	Mary Prospect, 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>	Smith Pad				
<b>Site Position:</b>		<b>Northing:</b>	420,251.00 usft	<b>Latitude:</b>	39° 38' 47.168 N
<b>From:</b>	Map	<b>Easting:</b>	1,630,827.00 usft	<b>Longitude:</b>	80° 48' 39.822 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.84 °

<b>Well</b>	6H					
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b>	420,210.00 usft	<b>Latitude:</b>	39° 38' 46.766 N
	+E/-W	0.00 ft	<b>Easting:</b>	1,630,844.00 usft	<b>Longitude:</b>	80° 48' 39.597 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft	<b>Ground Level:</b>	1,321.00 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>
	BGGM2013	8/21/2013	-8.54	67.20	52,536
	BGGM2013	11/26/2013	-8.55	67.17	52,502
	BGGM2014	6/11/2014	-8.52	67.15	52,439
	User Defined	6/12/2014	-7.63	67.14	52,488
	User Defined	7/25/2014	-7.59	67.14	52,514

<b>Design</b>	Smith 6H 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	146.38	

<b>Survey Program</b>	<b>Date</b>	8/5/2014			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
18.00	2,448.00	Survey 1 - Vaughn Gyro (OH)	VES GyroFlex		
2,502.00	5,834.00	Survey 2 - SDI MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1	
5,870.00	12,650.00	Survey 3 - SDI MWD (OH)	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	
18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Ground Level</b>										
103.00	0.11	287.14	103.00	0.02	-0.08	-0.06	0.13	0.13	0.00	
<b>First Vaughn Gyro Survey</b>										

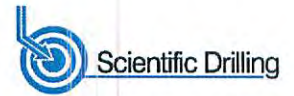


<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 6H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Site:</b>	Smith Pad	<b>MD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Well:</b>	6H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Smith 6H 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)	
203.00	0.14	319.76	203.00	0.15	-0.25	-0.26	0.08	0.03	32.62	
303.00	0.12	314.75	303.00	0.31	-0.40	-0.48	0.02	-0.02	-5.01	
403.00	0.14	314.64	403.00	0.47	-0.56	-0.71	0.02	0.02	-0.11	
503.00	0.07	300.40	503.00	0.59	-0.70	-0.88	0.07	-0.07	-14.24	
603.00	0.11	13.16	603.00	0.71	-0.73	-1.00	0.11	0.04	72.76	
703.00	0.01	12.41	703.00	0.82	-0.71	-1.07	0.10	-0.10	-0.75	
803.00	0.17	350.64	803.00	0.97	-0.73	-1.21	0.16	0.16	-21.77	
903.00	0.08	318.48	903.00	1.17	-0.80	-1.42	0.11	-0.09	-32.16	
1,003.00	0.15	277.03	1,003.00	1.24	-0.98	-1.57	0.10	0.07	-41.45	
1,103.00	0.31	276.04	1,103.00	1.28	-1.38	-1.83	0.16	0.16	-0.99	
1,203.00	0.31	318.24	1,203.00	1.51	-1.83	-2.27	0.22	0.00	42.20	
1,303.00	0.14	290.71	1,303.00	1.76	-2.12	-2.64	0.20	-0.17	-27.53	
1,403.00	0.24	277.20	1,402.99	1.83	-2.44	-2.87	0.11	0.10	-13.51	
1,503.00	0.20	281.88	1,502.99	1.89	-2.82	-3.14	0.04	-0.04	4.68	
1,603.00	0.33	279.40	1,602.99	1.97	-3.28	-3.46	0.13	0.13	-2.48	
1,703.00	0.40	280.75	1,702.99	2.08	-3.90	-3.90	0.07	0.07	1.35	
1,803.00	0.40	288.74	1,802.99	2.26	-4.58	-4.42	0.06	0.00	7.99	
1,903.00	0.53	301.86	1,902.99	2.62	-5.30	-5.11	0.17	0.13	13.12	
2,003.00	0.40	304.52	2,002.98	3.06	-5.98	-5.86	0.13	-0.13	2.66	
2,103.00	0.26	351.61	2,102.98	3.48	-6.30	-6.39	0.29	-0.14	47.09	
2,203.00	0.23	19.11	2,202.98	3.90	-6.27	-6.72	0.12	-0.03	27.50	
2,303.00	0.29	17.40	2,302.98	4.33	-6.13	-7.00	0.06	0.06	-1.71	
2,403.00	0.32	38.62	2,402.98	4.79	-5.88	-7.24	0.12	0.03	21.22	
2,448.00	0.38	42.83	2,447.98	4.99	-5.70	-7.31	0.14	0.13	9.36	
<b>Last Vaughn Gyro Survey</b>										
2,502.01	0.36	39.67	2,501.98	5.26	-5.47	-7.40	0.05	-0.04	-5.85	
<b>First SDI MWD Survey</b>										
2,595.00	0.59	35.17	2,594.97	5.87	-5.01	-7.66	0.25	0.25	-4.84	
2,688.00	0.59	173.52	2,688.97	5.79	-4.67	-7.41	1.17	0.00	147.18	
2,780.00	1.16	179.89	2,779.96	4.40	-4.62	-6.22	0.63	0.63	7.00	
2,872.00	0.85	187.56	2,871.94	2.79	-4.71	-4.93	0.37	-0.34	8.34	
2,964.00	1.64	136.87	2,963.92	1.16	-3.90	-3.12	1.39	0.86	-55.10	
3,057.00	3.36	110.09	3,056.84	-0.75	-0.43	0.39	2.19	1.85	-28.80	
3,148.00	3.97	103.73	3,147.65	-2.42	5.14	4.86	0.80	0.67	-6.99	
3,241.00	3.74	106.78	3,240.44	-4.06	11.17	9.56	0.33	-0.25	3.28	
3,334.00	4.76	106.06	3,333.18	-6.00	17.78	14.84	1.10	1.10	-0.77	
3,427.00	6.23	107.32	3,425.75	-8.57	26.31	21.70	1.59	1.58	1.35	
3,519.00	6.24	113.17	3,517.21	-12.02	35.67	29.76	0.69	0.01	6.36	
3,610.00	6.65	124.18	3,607.64	-16.93	44.58	38.78	1.43	0.45	12.10	
3,703.00	7.37	124.02	3,699.94	-23.29	53.98	49.28	0.77	0.77	-0.17	
3,798.00	7.21	121.75	3,794.17	-29.84	64.10	60.33	0.35	-0.17	-2.39	
3,891.00	6.86	116.93	3,886.47	-35.42	74.01	70.48	0.74	-0.38	-5.18	
3,983.00	6.85	125.22	3,977.82	-41.08	83.39	80.38	1.07	-0.01	9.01	
4,075.00	7.63	123.89	4,069.08	-47.65	92.94	91.14	0.87	0.85	-1.45	



Scientific Drilling International  
Survey Report

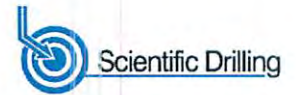


<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 6H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Site:</b>	Smith Pad	<b>MD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Well:</b>	6H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Smith 6H 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)	
4,169.00	7.44	121.45	4,162.27	-54.30	103.32	102.42	0.40	-0.20	-2.60	
4,261.00	7.06	116.44	4,253.54	-59.93	113.46	112.72	0.80	-0.41	-5.45	
4,357.00	7.55	119.16	4,348.76	-65.63	124.25	123.44	0.62	0.51	2.83	
4,450.00	7.40	117.73	4,440.97	-71.39	134.89	134.13	0.26	-0.16	-1.54	
4,542.00	6.84	113.30	4,532.26	-76.31	145.16	143.92	0.85	-0.61	-4.82	
4,633.00	6.88	118.40	4,622.61	-81.05	154.93	153.27	0.67	0.04	5.60	
4,727.01	6.74	126.98	4,715.96	-87.05	164.29	163.45	1.09	-0.15	9.13	
4,819.01	7.27	126.00	4,807.27	-93.72	173.32	174.00	0.59	0.58	-1.07	
4,913.01	7.22	123.07	4,900.52	-100.43	183.08	185.00	0.40	-0.05	-3.12	
5,007.01	7.20	120.62	4,993.78	-106.66	193.10	195.73	0.33	-0.02	-2.61	
5,100.01	7.17	118.17	5,086.05	-112.37	203.23	206.09	0.33	-0.03	-2.63	
5,192.01	7.06	119.23	5,177.34	-117.84	213.22	216.18	0.19	-0.12	1.15	
5,284.01	7.25	128.33	5,268.63	-124.20	222.71	226.73	1.25	0.21	9.89	
5,374.01	7.57	130.62	5,357.88	-131.58	231.67	237.84	0.48	0.36	2.54	
5,468.01	7.62	130.27	5,451.05	-139.64	241.12	249.78	0.07	0.05	-0.37	
5,559.01	7.26	128.41	5,541.28	-147.11	250.23	261.05	0.48	-0.40	-2.04	
5,651.01	7.30	127.69	5,632.54	-154.30	259.41	272.12	0.11	0.04	-0.78	
5,740.01	6.98	125.72	5,720.85	-160.91	268.28	282.53	0.45	-0.36	-2.21	
5,834.00	6.78	122.78	5,814.17	-167.25	277.58	292.96	0.43	-0.21	-3.13	
5,870.00	7.01	124.06	5,849.90	-169.63	281.18	296.94	0.77	0.64	3.56	
5,934.00	6.36	123.76	5,913.47	-173.79	287.37	303.82	1.02	-1.02	-0.47	
5,997.00	6.12	121.54	5,976.10	-177.48	293.13	310.09	0.54	-0.38	-3.52	
6,029.00	6.12	120.91	6,007.91	-179.25	296.05	313.18	0.21	0.00	-1.97	
6,061.00	6.86	117.50	6,039.71	-181.01	299.21	316.39	2.61	2.31	-10.66	
6,093.00	8.78	118.24	6,071.41	-183.05	303.05	320.22	6.01	6.00	2.31	
6,125.00	11.21	118.73	6,102.92	-185.70	307.93	325.13	7.60	7.59	1.53	
6,155.00	13.57	121.41	6,132.22	-188.94	313.49	330.91	8.09	7.87	8.93	
6,185.00	15.83	122.27	6,161.24	-192.96	319.96	337.83	7.57	7.53	2.87	
6,215.00	17.60	120.76	6,189.97	-197.46	327.32	345.66	6.07	5.90	-5.03	
6,246.00	19.38	118.69	6,219.37	-202.33	335.86	354.44	6.12	5.74	-6.68	
6,276.00	21.81	117.45	6,247.45	-207.29	345.17	363.72	8.23	8.10	-4.13	
6,306.00	24.07	115.83	6,275.07	-212.52	355.62	373.87	7.82	7.53	-5.40	
6,336.00	25.51	116.43	6,302.31	-218.06	366.92	384.74	4.87	4.80	2.00	
6,366.00	26.95	117.10	6,329.22	-224.04	378.75	396.26	4.90	4.80	2.23	
6,397.00	28.64	116.77	6,356.64	-230.58	391.64	408.85	5.47	5.45	-1.06	
6,427.00	31.43	116.50	6,382.61	-237.31	405.06	421.89	9.31	9.30	-0.90	
6,457.00	33.47	117.06	6,407.92	-244.57	419.43	435.88	6.87	6.80	1.87	
6,487.00	34.71	117.10	6,432.77	-252.22	434.40	450.55	4.13	4.13	0.13	
6,517.00	34.58	117.75	6,457.45	-260.08	449.54	465.47	1.31	-0.43	2.17	
6,548.00	35.40	117.08	6,482.85	-268.26	465.32	481.02	2.92	2.65	-2.16	
6,578.00	37.21	117.61	6,507.02	-276.42	481.10	496.55	6.12	6.03	1.77	
6,608.00	40.40	117.53	6,530.40	-285.12	497.76	513.02	10.63	10.63	-0.27	
6,638.00	42.53	118.88	6,552.88	-294.51	515.26	530.53	7.70	7.10	4.50	



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Survey Report

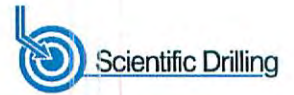


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<b>Well:</b>	6H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Smith 6H As Drilled	<b>Database:</b>	Northeast District

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)	
6,668.00	45.10	117.92	6,574.52	-304.39	533.53	548.87	8.85	8.57	-3.20	
6,699.00	46.27	118.21	6,596.18	-314.82	553.10	568.40	3.83	3.77	0.94	
6,729.00	47.77	117.53	6,616.63	-325.08	572.51	587.68	5.27	5.00	-2.27	
6,759.00	49.02	116.98	6,636.55	-335.35	592.45	607.28	4.39	4.17	-1.83	
6,789.00	50.01	117.08	6,656.03	-345.72	612.77	627.16	3.31	3.30	0.33	
6,820.00	50.75	117.68	6,675.80	-356.70	633.98	648.05	2.81	2.39	1.94	
6,850.00	52.22	120.38	6,694.48	-368.10	654.49	668.90	8.58	4.90	9.00	
6,880.00	54.50	122.84	6,712.38	-380.72	674.99	690.75	10.05	7.60	8.20	
6,910.00	57.50	125.08	6,729.16	-394.62	695.61	713.74	11.76	10.00	7.47	
6,941.00	59.91	127.93	6,745.26	-410.38	716.89	738.65	11.05	7.77	9.19	
6,972.00	62.21	129.49	6,760.26	-427.34	738.05	764.50	8.63	7.42	5.03	
7,001.00	63.89	131.42	6,773.41	-444.12	757.72	789.35	8.29	5.79	6.66	
7,031.00	65.91	133.05	6,786.13	-462.38	777.83	815.70	8.34	6.73	5.43	
7,062.00	68.23	134.65	6,798.21	-482.16	798.41	843.56	8.87	7.48	5.16	
7,092.00	69.99	136.42	6,808.91	-502.16	818.04	871.09	8.05	5.87	5.90	
7,122.00	71.52	137.97	6,818.80	-522.94	837.29	899.05	7.06	5.10	5.17	
7,152.00	72.91	139.08	6,827.96	-544.35	856.20	927.34	5.82	4.63	3.70	
7,184.00	74.05	139.95	6,837.06	-567.68	876.12	957.80	4.41	3.56	2.72	
7,216.00	76.06	140.70	6,845.31	-591.47	895.86	988.55	6.68	6.28	2.34	
7,248.00	77.52	142.81	6,852.63	-615.94	915.14	1,019.59	7.88	4.56	6.59	
7,279.00	79.31	144.95	6,858.85	-640.47	933.04	1,049.93	8.89	5.77	6.90	
7,311.00	80.65	146.86	6,864.42	-666.56	950.70	1,081.44	7.22	4.19	5.97	
7,343.00	82.49	148.82	6,869.11	-693.36	967.55	1,113.08	8.35	5.75	6.13	
7,375.00	84.76	150.22	6,872.66	-720.76	983.67	1,144.83	8.32	7.09	4.38	
7,407.00	84.93	150.31	6,875.54	-748.44	999.48	1,176.63	0.60	0.53	0.28	
7,412.58	85.00	150.35	6,876.03	-753.27	1,002.24	1,182.18	1.46	1.29	0.68	
<b>Smith 6H_LP3</b>										
7,438.00	85.33	150.52	6,878.17	-775.30	1,014.73	1,207.44	1.46	1.29	0.68	
7,470.00	85.50	150.96	6,880.73	-803.13	1,030.32	1,239.25	1.47	0.53	1.38	
7,502.00	85.41	150.77	6,883.26	-830.99	1,045.85	1,271.05	0.66	-0.28	-0.59	
7,534.00	85.50	150.38	6,885.80	-858.78	1,061.53	1,302.86	1.25	0.28	-1.22	
7,597.00	85.90	150.11	6,890.52	-913.31	1,092.70	1,365.54	0.77	0.63	-0.43	
7,660.00	88.32	150.36	6,893.70	-967.93	1,123.94	1,428.31	3.86	3.84	0.40	
7,723.00	89.06	150.11	6,895.14	-1,022.60	1,155.20	1,491.16	1.24	1.17	-0.40	
7,787.00	89.70	149.60	6,895.83	-1,077.94	1,187.34	1,555.03	1.28	1.00	-0.80	
7,851.00	91.21	149.74	6,895.32	-1,133.18	1,219.66	1,618.92	2.37	2.36	0.22	
7,914.00	87.82	149.95	6,895.86	-1,187.65	1,251.30	1,681.80	5.39	-5.38	0.33	
7,977.00	87.32	149.88	6,898.53	-1,242.11	1,282.85	1,744.62	0.80	-0.79	-0.11	
8,041.00	87.62	149.09	6,901.35	-1,297.19	1,315.32	1,808.46	1.32	0.47	-1.23	
8,105.00	88.09	149.24	6,903.75	-1,352.10	1,348.10	1,872.34	0.77	0.73	0.23	
8,168.00	88.59	148.80	6,905.57	-1,406.09	1,380.51	1,935.25	1.06	0.79	-0.70	
8,231.00	88.83	149.61	6,906.99	-1,460.20	1,412.76	1,998.16	1.34	0.38	1.29	
8,294.00	88.43	151.02	6,908.50	-1,514.91	1,443.95	2,060.99	2.33	-0.63	2.24	

<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 6H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Site:</b>	Smith Pad	<b>MD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Well:</b>	6H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Smith 6H As Drilled	<b>Database:</b>	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)
8,358.00	89.06	151.76	6,909.90	-1,571.08	1,474.59	2,124.73	1.52	0.98	1.16
8,420.00	89.93	151.37	6,910.45	-1,625.60	1,504.11	2,186.47	1.54	1.40	-0.63
8,483.00	89.83	152.32	6,910.58	-1,681.15	1,533.84	2,249.19	1.52	-0.16	1.51
8,547.00	89.30	152.65	6,911.07	-1,737.91	1,563.40	2,312.82	0.98	-0.83	0.52
8,610.00	89.56	151.81	6,911.69	-1,793.65	1,592.75	2,375.49	1.40	0.41	-1.33
8,673.00	89.66	151.72	6,912.12	-1,849.15	1,622.56	2,438.21	0.21	0.16	-0.14
8,737.00	88.96	150.63	6,912.89	-1,905.21	1,653.41	2,501.98	2.02	-1.09	-1.70
8,801.00	89.50	150.11	6,913.75	-1,960.84	1,685.05	2,565.82	1.17	0.84	-0.81
8,864.00	91.31	150.08	6,913.31	-2,015.45	1,716.46	2,628.68	2.87	2.87	-0.05
8,928.00	92.08	149.86	6,911.41	-2,070.83	1,748.47	2,692.53	1.25	1.20	-0.34
8,992.00	92.58	149.86	6,908.81	-2,126.13	1,780.58	2,756.36	0.78	0.78	0.00
9,056.00	92.28	149.37	6,906.10	-2,181.29	1,812.92	2,820.20	0.90	-0.47	-0.77
9,119.00	91.54	149.93	6,904.00	-2,235.63	1,844.74	2,883.06	1.47	-1.17	0.89
9,182.00	91.41	150.56	6,902.38	-2,290.30	1,875.99	2,945.90	1.02	-0.21	1.00
9,246.00	92.08	150.45	6,900.43	-2,345.98	1,907.49	3,009.70	1.06	1.05	-0.17
9,309.00	90.77	148.57	6,898.86	-2,400.25	1,939.44	3,072.58	3.64	-2.08	-2.98
9,372.00	90.90	148.85	6,897.94	-2,454.08	1,972.16	3,135.52	0.49	0.21	0.44
9,436.00	94.29	150.79	6,895.05	-2,509.34	2,004.29	3,199.33	6.10	5.30	3.03
9,500.00	94.53	151.33	6,890.12	-2,565.18	2,035.17	3,262.93	0.92	0.38	0.84
9,563.00	92.85	152.07	6,886.07	-2,620.53	2,064.98	3,325.52	2.91	-2.67	1.17
9,627.00	91.14	152.32	6,883.84	-2,677.11	2,094.81	3,389.15	2.70	-2.67	0.39
9,691.00	90.07	151.83	6,883.17	-2,733.65	2,124.78	3,452.83	1.84	-1.67	-0.77
9,754.00	90.50	151.62	6,882.85	-2,789.13	2,154.62	3,515.56	0.76	0.68	-0.33
9,818.00	89.09	150.71	6,883.08	-2,845.20	2,185.49	3,579.33	2.62	-2.20	-1.42
9,882.00	88.46	150.59	6,884.45	-2,900.97	2,216.85	3,643.14	1.00	-0.98	-0.19
9,945.00	88.42	150.64	6,886.16	-2,955.84	2,247.75	3,705.95	0.10	-0.06	0.08
10,009.00	88.83	151.20	6,887.70	-3,011.76	2,278.85	3,769.73	1.08	0.64	0.88
10,073.00	89.40	152.35	6,888.69	-3,068.14	2,309.11	3,833.43	2.01	0.89	1.80
10,137.00	89.50	153.23	6,889.30	-3,125.05	2,338.37	3,897.03	1.38	0.16	1.38
10,200.00	89.30	153.58	6,889.96	-3,181.38	2,366.58	3,959.55	0.64	-0.32	0.56
10,264.00	88.99	152.38	6,890.92	-3,238.39	2,395.65	4,023.12	1.94	-0.48	-1.88
10,327.00	88.59	151.74	6,892.25	-3,294.04	2,425.16	4,085.80	1.20	-0.63	-1.02
10,390.00	88.63	152.03	6,893.78	-3,349.59	2,454.84	4,148.49	0.46	0.06	0.46
10,454.00	88.79	151.60	6,895.22	-3,405.98	2,485.06	4,212.19	0.72	0.25	-0.67
10,517.00	89.13	150.99	6,896.36	-3,461.23	2,515.31	4,274.94	1.11	0.54	-0.97
10,581.00	88.46	151.90	6,897.71	-3,517.43	2,545.90	4,338.68	1.77	-1.05	1.42
10,645.00	88.26	152.27	6,899.54	-3,573.96	2,575.85	4,402.34	0.66	-0.31	0.58
10,709.00	88.52	152.55	6,901.34	-3,630.66	2,605.48	4,465.96	0.60	0.41	0.44
10,772.00	89.43	153.46	6,902.46	-3,686.79	2,634.07	4,528.52	2.04	1.44	1.44
10,836.00	88.89	153.94	6,903.40	-3,744.16	2,662.42	4,592.00	1.13	-0.84	0.75
10,899.00	88.93	153.71	6,904.60	-3,800.69	2,690.21	4,654.45	0.37	0.06	-0.37
10,963.00	92.25	155.30	6,903.94	-3,858.44	2,717.75	4,717.80	5.75	5.19	2.48
11,026.00	91.38	153.97	6,901.95	-3,915.34	2,744.72	4,780.11	2.52	-1.38	-2.11
11,089.00	91.75	153.80	6,900.23	-3,971.88	2,772.44	4,842.55	0.65	0.59	-0.27



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 6H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Site:</b>	Smith Pad	<b>MD Reference:</b>	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
<b>Well:</b>	6H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Smith 6H As Drilled	<b>Database:</b>	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)
11,153.00	91.31	152.97	6,898.52	-4,029.08	2,801.10	4,906.05	1.47	-0.69	-1.30
11,216.00	90.54	151.31	6,897.50	-4,084.77	2,830.54	4,968.72	2.90	-1.22	-2.63
11,280.00	90.44	150.74	6,896.95	-4,140.76	2,861.54	5,032.51	0.90	-0.16	-0.89
11,344.00	89.70	149.95	6,896.87	-4,196.37	2,893.21	5,096.35	1.69	-1.16	-1.23
11,407.00	89.23	149.30	6,897.46	-4,250.72	2,925.06	5,159.25	1.27	-0.75	-1.03
11,472.00	89.60	149.18	6,898.13	-4,306.57	2,958.30	5,224.16	0.60	0.57	-0.18
11,535.00	90.20	148.87	6,898.24	-4,360.59	2,990.73	5,287.10	1.07	0.95	-0.49
11,599.00	90.64	148.56	6,897.77	-4,415.28	3,023.96	5,351.04	0.84	0.69	-0.48
11,663.00	91.07	148.03	6,896.81	-4,469.72	3,057.59	5,415.00	1.07	0.67	-0.83
11,727.00	90.87	148.40	6,895.73	-4,524.12	3,091.30	5,478.96	0.66	-0.31	0.58
11,790.00	89.87	148.97	6,895.32	-4,577.94	3,124.04	5,541.90	1.83	-1.59	0.90
11,853.00	90.10	149.82	6,895.34	-4,632.16	3,156.12	5,604.81	1.40	0.37	1.35
11,917.00	90.37	149.18	6,895.08	-4,687.31	3,188.60	5,668.72	1.09	0.42	-1.00
11,980.00	89.60	148.54	6,895.09	-4,741.23	3,221.18	5,731.66	1.59	-1.22	-1.02
12,043.00	89.03	148.48	6,895.85	-4,794.95	3,254.08	5,794.61	0.91	-0.90	-0.10
12,107.00	89.77	149.37	6,896.52	-4,849.76	3,287.11	5,858.54	1.81	1.16	1.39
12,170.00	89.97	148.66	6,896.66	-4,903.77	3,319.55	5,921.48	1.17	0.32	-1.13
12,234.00	90.00	147.94	6,896.68	-4,958.22	3,353.18	5,985.44	1.13	0.05	-1.13
12,298.00	90.34	147.68	6,896.49	-5,012.38	3,387.27	6,049.42	0.67	0.53	-0.41
12,362.00	90.70	147.23	6,895.90	-5,066.33	3,421.70	6,113.41	0.90	0.56	-0.70
12,423.00	90.91	147.56	6,895.05	-5,117.71	3,454.57	6,174.39	0.64	0.34	0.54
12,486.00	90.13	148.66	6,894.48	-5,171.20	3,487.85	6,237.36	2.14	-1.24	1.75
12,550.00	90.70	148.37	6,894.01	-5,225.77	3,521.27	6,301.31	1.00	0.89	-0.45
12,592.00	91.31	148.29	6,893.28	-5,261.51	3,543.32	6,343.28	1.46	1.45	-0.19
<b>Last SDI MWD Survey</b>									
12,650.00	91.31	148.29	6,891.95	-5,310.84	3,573.80	6,401.23	0.00	0.00	0.00
<b>Projection to Bit - Smith 6H_BHL3</b>									

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
103.00	103.00	0.02	-0.08	First Vaughn Gyro Survey
2,448.00	2,447.98	4.99	-5.70	Last Vaughn Gyro Survey
2,502.01	2,501.98	5.26	-5.47	First SDI MWD Survey
12,592.00	6,893.28	-5,261.51	3,543.32	Last SDI MWD Survey
12,650.00	6,891.95	-5,310.84	3,573.80	Projection to Bit

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