



Stone Energy

Mary Prospect

Smith Pad

1H

OH

Design: Smith 1H As Drilled

Standard Survey Report

25 July, 2014



www.scientificdrilling.com

06/02/2017



Project: Mary Prospect
 Site: Smith Pad
 Well: 1H
 Wellbore: OH
 Design: Smith 1H As Drilled



WELL DETAILS: 1H

+N/-S	+E/-W	Northing	Ground Level: Easting	1321.00	Latitude	Longitude
0.00	0.00	420251.00	1630827.00	39° 38' 47.168 N	80° 48' 59.822 W	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well 1H, 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

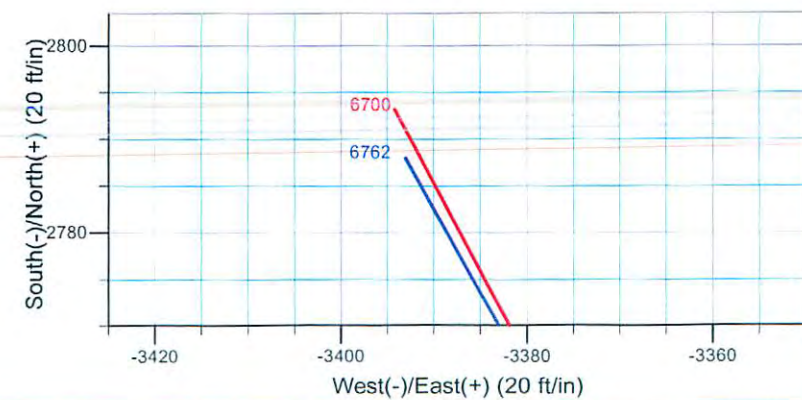
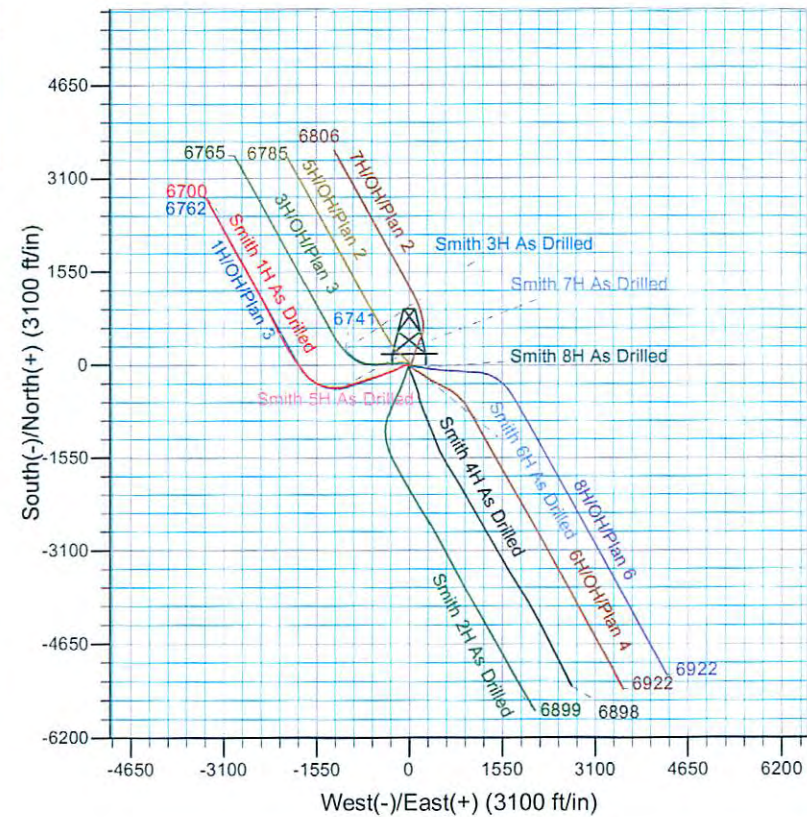
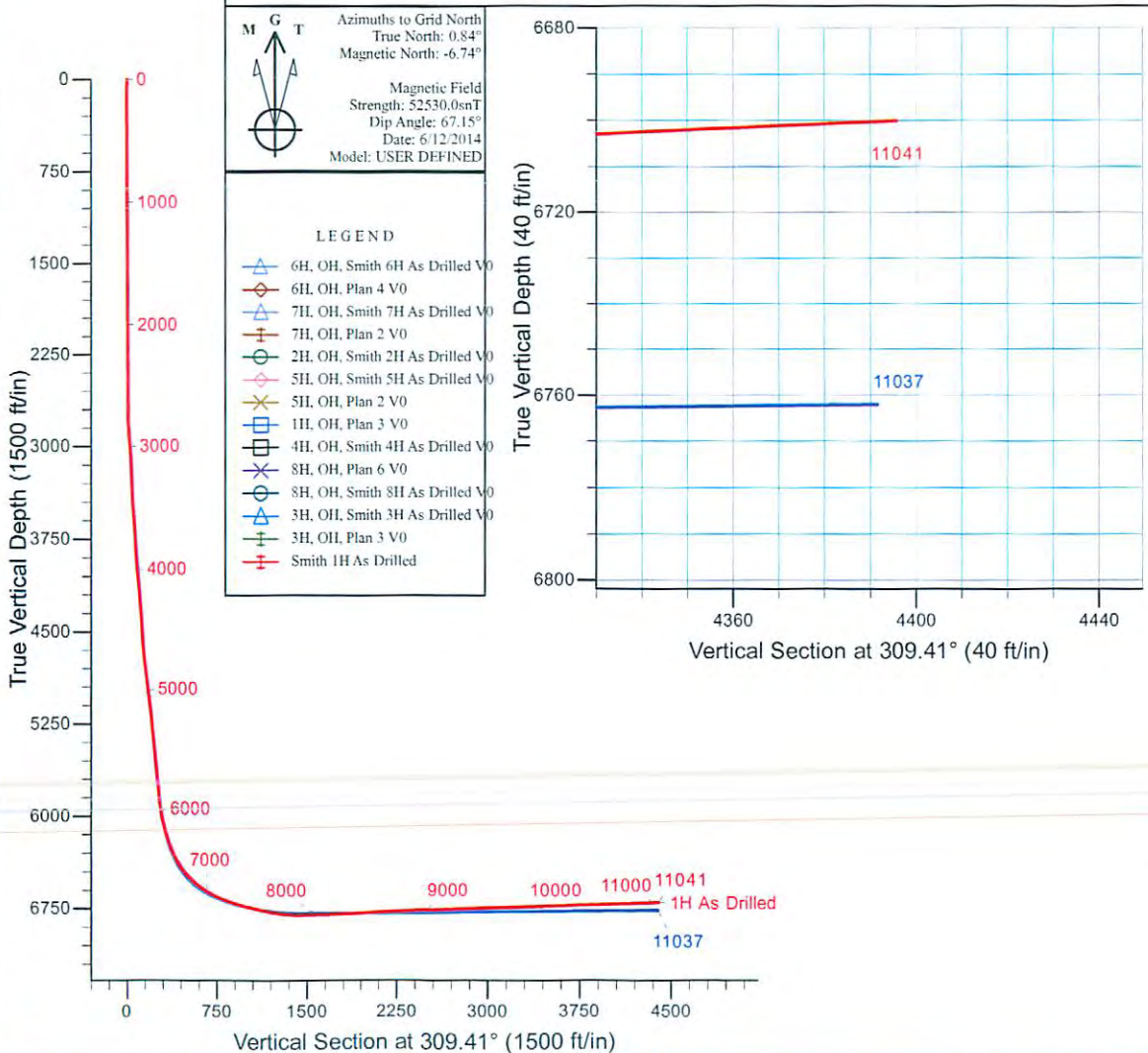
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	5795.00	11.90	246.97	5749.19	-167.49	-472.92	0.00	0.00	259.06	
2	5922.00	11.90	246.97	5873.46	-177.74	-497.02	0.00	0.00	271.17	
3	6834.30	66.56	251.52	6553.76	-361.37	-1020.90	6.00	5.11	559.35	
4	7841.56	90.50	331.00	6790.00	-7.00	-1843.50	8.00	85.31	1419.90	Smith 1H_LP4
5	11037.46	90.50	331.00	6762.11	2788.01	-3393.01	0.00	0.00	4391.52	Smith 1H_PBHL4

Azimuths to Grid North
 True North: 0.84°
 Magnetic North: -6.74°

Magnetic Field
 Strength: 52530.0snT
 Dip Angle: 67.15°
 Date: 6/12/2014
 Model: USER DEFINED

LEGEND

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





Scientific Drilling
Survey Report



Company:	Stone Energy	Local Co-ordinate Reference:	Well 1H
Project:	Mary Prospect	TVD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Site:	Smith Pad	MD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Well:	1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Smith 1H As Drilled	Database:	Northeast District

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

Well	1H					
Well Position	+N/-S	0.00 ft	Northing:	420,251.00 usft	Latitude:	39° 38' 47.168 N
	+E/-W	0.00 ft	Easting:	1,630,827.00 usft	Longitude:	80° 48' 39.822 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	1,321.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	8/21/2013	-8.54	67.20	52,536
	BGGM2013	9/24/2013	-8.55	67.19	52,524
	BGGM2013	10/25/2013	-8.55	67.18	52,513
	BGGM2014	6/11/2014	-8.52	67.15	52,439
	User Defined	6/12/2014	-7.58	67.15	52,530

Design	Smith 1H 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		309.41

Survey Program	Date	7/25/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
103.00	2,582.72	Survey 1 - SDI Gyro (OH)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
2,583.01	5,733.00	Survey 2 - SDI MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1	
5,733.00	11,041.00	Survey 3 - SDI MWD (OH)	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	
103.00	0.24	146.78	103.00	-0.18	0.12	-0.21	0.23	0.23	0.00	0.00	
First SDI Gyro Survey											
203.00	0.14	281.67	203.00	-0.33	0.11	-0.30	0.35	-0.10	134.89		
303.00	0.16	299.75	303.00	-0.24	-0.13	-0.05	0.05	0.02	18.08		



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Site:	Smith Pad	MD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Well:	1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Smith 1H 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)	
403.00	0.03	193.09	403.00	-0.19	-0.25	0.07	0.17	-0.13	-106.66	
503.00	0.22	333.65	503.00	-0.05	-0.35	0.24	0.24	0.19	140.56	
603.00	0.10	305.74	603.00	0.18	-0.50	0.50	0.14	-0.12	-27.91	
703.00	0.12	282.84	703.00	0.25	-0.67	0.68	0.05	0.02	-22.90	
803.00	0.28	305.79	803.00	0.42	-0.98	1.02	0.18	0.16	22.95	
903.00	0.26	329.82	903.00	0.76	-1.29	1.47	0.11	-0.02	24.03	
1,003.00	0.25	0.79	1,003.00	1.17	-1.40	1.82	0.14	-0.01	30.97	
1,103.00	0.23	333.47	1,103.00	1.57	-1.49	2.14	0.12	-0.02	-27.32	
1,203.00	0.19	270.53	1,203.00	1.75	-1.74	2.46	0.22	-0.04	-62.94	
1,303.00	0.21	256.10	1,303.00	1.71	-2.08	2.69	0.05	0.02	-14.43	
1,403.00	0.28	278.60	1,403.00	1.70	-2.50	3.01	0.12	0.07	22.50	
1,503.00	0.29	256.37	1,502.99	1.68	-2.99	3.38	0.11	0.01	-22.23	
1,603.00	0.46	305.94	1,602.99	1.85	-3.56	3.93	0.35	0.17	49.57	
1,703.00	0.27	278.87	1,702.99	2.12	-4.12	4.53	0.25	-0.19	-27.07	
1,803.00	0.32	298.79	1,802.99	2.29	-4.60	5.01	0.11	0.05	19.92	
1,903.00	0.43	277.95	1,902.99	2.48	-5.21	5.60	0.17	0.11	-20.84	
2,003.00	0.45	316.02	2,002.99	2.82	-5.86	6.31	0.29	0.02	38.07	
2,103.00	0.39	326.84	2,102.98	3.38	-6.32	7.03	0.10	-0.06	10.82	
2,203.00	0.19	29.70	2,202.98	3.81	-6.42	7.38	0.35	-0.20	62.86	
2,303.00	0.47	357.49	2,302.98	4.37	-6.36	7.68	0.33	0.28	-32.21	
2,403.00	0.42	14.55	2,402.98	5.13	-6.28	8.11	0.14	-0.05	17.06	
2,503.01	0.57	47.45	2,502.97	5.82	-5.82	8.20	0.32	0.15	32.90	
2,582.71	0.77	34.85	2,582.67	6.53	-5.23	8.18	0.31	0.25	-15.80	
Last SDI Gyro Survey										
2,583.01	0.77	34.82	2,582.97	6.53	-5.22	8.18	0.31	0.27	-11.60	
First SDI MWD Survey										
2,712.01	1.25	279.87	2,711.96	7.48	-6.12	9.48	1.34	0.37	-89.11	
2,805.01	3.77	273.76	2,804.86	7.86	-10.17	12.84	2.72	2.71	-6.57	
2,899.01	6.22	270.42	2,898.50	8.10	-18.34	19.31	2.62	2.61	-3.55	
2,989.01	6.81	271.62	2,987.92	8.29	-28.55	27.32	0.67	0.66	1.33	
3,081.01	5.70	260.17	3,079.37	7.66	-38.51	34.62	1.81	-1.21	-12.45	
3,174.01	4.16	250.08	3,172.03	5.72	-46.23	39.35	1.89	-1.66	-10.85	
3,266.01	3.75	243.48	3,263.81	3.24	-52.06	42.28	0.67	-0.45	-7.17	
3,360.01	4.79	248.17	3,357.55	0.41	-58.45	45.42	1.17	1.11	4.99	
3,451.01	6.46	261.29	3,448.11	-1.78	-67.04	50.67	2.30	1.84	14.42	
3,542.01	6.60	262.05	3,538.52	-3.28	-77.28	57.63	0.18	0.15	0.84	
3,635.01	7.26	256.81	3,630.84	-5.36	-88.30	64.82	0.98	0.71	-5.63	
3,724.01	7.60	244.71	3,719.10	-9.16	-99.09	70.75	1.80	0.38	-13.60	
3,818.01	8.15	240.78	3,812.21	-15.06	-110.53	75.83	0.82	0.59	-4.18	
3,910.01	9.49	241.33	3,903.12	-21.89	-122.88	81.04	1.46	1.46	0.60	
4,000.01	10.84	247.62	3,991.71	-28.67	-137.21	87.81	1.94	1.50	6.99	
4,091.01	11.92	250.00	4,080.92	-35.14	-153.96	96.64	1.29	1.19	2.62	
4,183.01	11.58	246.70	4,170.99	-42.04	-171.37	105.71	0.82	-0.37	-3.59	



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Survey Report



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Site:	Smith Pad	MD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Well:	1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Smith 1H 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)	
4,275.01	11.40	242.43	4,261.15	-49.90	-187.91	113.50	0.94	-0.20	-4.64	
4,368.01	11.44	240.02	4,352.31	-58.77	-204.04	120.34	0.51	0.04	-2.59	
4,463.01	11.35	235.43	4,445.44	-68.78	-219.90	126.24	0.96	-0.09	-4.83	
4,555.01	11.66	237.53	4,535.59	-78.91	-235.20	131.63	0.57	0.34	2.28	
4,648.01	11.72	245.33	4,626.67	-87.89	-251.71	138.68	1.70	0.06	8.39	
4,741.01	11.38	249.45	4,717.79	-95.06	-268.89	147.40	0.96	-0.37	4.43	
4,831.01	11.91	251.22	4,805.94	-101.16	-285.99	156.74	0.71	0.59	1.97	
4,924.01	12.35	257.28	4,896.86	-106.44	-304.78	167.91	1.45	0.47	6.52	
5,019.01	12.18	255.39	4,989.70	-111.21	-324.39	180.03	0.46	-0.18	-1.99	
5,112.01	11.93	251.97	5,080.65	-116.66	-343.02	190.97	0.81	-0.27	-3.68	
5,205.00	12.28	254.23	5,171.57	-122.32	-361.68	201.79	0.63	0.38	2.43	
5,296.00	11.96	250.18	5,260.54	-128.15	-379.86	212.14	1.00	-0.35	-4.45	
5,391.00	11.80	247.18	5,353.51	-135.25	-398.08	221.70	0.67	-0.17	-3.16	
5,484.00	11.31	244.35	5,444.62	-142.89	-415.06	229.97	0.81	-0.53	-3.04	
5,576.00	11.27	246.46	5,534.84	-150.38	-431.44	237.87	0.45	-0.04	2.29	
5,670.00	12.07	248.94	5,626.90	-157.59	-449.03	246.89	1.00	0.85	2.64	
5,733.00	11.90	246.97	5,688.53	-162.49	-461.16	253.14	0.70	-0.27	-3.13	
5,862.00	9.85	248.69	5,815.20	-171.71	-483.68	264.69	1.61	-1.59	1.33	
5,894.00	9.79	250.23	5,846.73	-173.62	-488.79	267.42	0.84	-0.19	4.81	
5,925.00	11.07	253.35	5,877.22	-175.37	-494.12	270.44	4.51	4.13	10.06	
5,957.00	13.01	254.95	5,908.52	-177.18	-500.54	274.25	6.15	6.06	5.00	
5,989.00	14.92	254.94	5,939.57	-179.19	-508.00	278.73	5.97	5.97	-0.03	
6,021.00	16.99	256.16	5,970.34	-181.38	-516.52	283.93	6.55	6.47	3.81	
6,053.00	19.14	256.04	6,000.76	-183.76	-526.15	289.85	6.72	6.72	-0.38	
6,085.00	21.20	255.29	6,030.79	-186.50	-536.84	296.38	6.49	6.44	-2.34	
6,116.00	23.05	253.32	6,059.51	-189.66	-548.07	303.05	6.43	5.97	-6.35	
6,148.00	24.94	252.37	6,088.74	-193.50	-560.51	310.21	6.03	5.91	-2.97	
6,179.00	27.09	251.09	6,116.60	-197.77	-573.41	317.48	7.17	6.94	-4.13	
6,211.00	29.24	251.48	6,144.81	-202.62	-587.72	325.45	6.74	6.72	1.22	
6,243.00	31.31	251.76	6,172.44	-207.70	-603.03	334.05	6.48	6.47	0.88	
6,275.00	33.64	252.09	6,199.44	-213.03	-619.36	343.29	7.30	7.28	1.03	
6,307.00	35.61	251.95	6,225.77	-218.64	-636.66	353.09	6.16	6.16	-0.44	
6,338.00	37.72	252.86	6,250.63	-224.23	-654.30	363.17	7.03	6.81	2.94	
6,369.00	40.24	251.73	6,274.73	-230.17	-672.87	373.75	8.45	8.13	-3.65	
6,401.00	42.34	251.22	6,298.77	-236.88	-692.89	384.96	6.65	6.56	-1.59	
6,433.00	44.60	250.15	6,322.00	-244.17	-713.67	396.39	7.43	7.06	-3.34	
6,465.00	46.72	249.84	6,344.36	-252.00	-735.17	408.03	6.66	6.63	-0.97	
6,497.00	48.75	249.66	6,365.88	-260.19	-757.39	419.99	6.36	6.34	-0.56	
6,528.00	50.48	251.26	6,385.97	-268.08	-779.64	432.17	6.83	5.58	5.16	
6,560.00	51.85	251.38	6,406.03	-276.07	-803.25	445.35	4.29	4.28	0.38	
6,592.00	52.85	251.91	6,425.58	-284.05	-827.30	458.86	3.39	3.13	1.66	
6,624.00	53.59	255.47	6,444.74	-291.24	-851.89	473.30	9.21	2.31	11.13	
6,656.00	55.16	255.42	6,463.38	-297.77	-877.07	488.60	4.91	4.91	-0.16	
6,688.00	56.57	254.71	6,481.34	-304.60	-902.66	504.04	4.77	4.41	-2.22	

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Site:	Smith Pad	MD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Well:	1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Smith 1H 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)
6,719.00	59.04	254.74	6,497.85	-311.51	-927.96	519.20	7.97	7.97	0.10
6,751.00	61.04	253.52	6,513.83	-319.10	-954.63	534.99	7.07	6.25	-3.81
6,783.00	63.55	252.63	6,528.71	-327.35	-981.73	550.69	8.22	7.84	-2.78
6,815.00	65.70	252.76	6,542.42	-335.94	-1,009.33	566.56	6.73	6.72	0.41
6,847.00	66.44	253.56	6,555.40	-344.42	-1,037.32	582.81	3.25	2.31	2.50
6,878.00	66.28	255.58	6,567.83	-351.97	-1,064.70	599.16	5.99	-0.52	6.52
6,910.00	66.68	257.50	6,580.60	-358.80	-1,093.23	616.87	5.64	1.25	6.00
6,942.00	66.83	259.81	6,593.24	-364.58	-1,122.06	635.47	6.65	0.47	7.22
6,974.00	67.81	261.98	6,605.58	-369.25	-1,151.21	655.03	6.97	3.06	6.78
7,006.00	68.29	264.73	6,617.54	-372.69	-1,180.69	675.62	8.11	1.50	8.59
7,038.00	68.46	267.46	6,629.33	-374.71	-1,210.36	697.27	7.95	0.53	8.53
7,070.00	68.86	269.72	6,640.98	-375.45	-1,240.16	719.82	6.70	1.25	7.06
7,101.00	70.19	271.90	6,651.82	-375.03	-1,269.19	742.52	7.86	4.29	7.03
7,133.00	71.00	274.04	6,662.46	-373.47	-1,299.33	766.80	6.80	2.53	6.69
7,163.00	71.21	276.73	6,672.17	-370.80	-1,327.59	790.32	8.51	0.70	8.97
7,195.00	72.26	279.34	6,682.20	-366.55	-1,357.67	816.26	8.41	3.28	8.16
7,226.00	72.97	282.46	6,691.47	-360.96	-1,386.72	842.25	9.87	2.29	10.06
7,258.00	73.66	285.15	6,700.66	-353.64	-1,416.48	869.89	8.34	2.16	8.41
7,290.00	73.80	287.89	6,709.62	-344.91	-1,445.93	898.19	8.23	0.44	8.56
7,322.00	74.01	290.86	6,718.50	-334.71	-1,474.93	927.07	8.94	0.66	9.28
7,354.00	73.59	293.38	6,727.43	-323.14	-1,503.39	956.41	7.68	-1.31	7.88
7,385.00	74.25	295.98	6,736.01	-310.71	-1,530.46	985.22	8.34	2.13	8.39
7,417.00	75.43	298.60	6,744.38	-296.54	-1,557.90	1,015.41	8.72	3.69	8.19
7,449.00	76.72	301.33	6,752.09	-281.03	-1,584.80	1,046.05	9.21	4.03	8.53
7,481.00	77.29	304.09	6,759.28	-264.18	-1,611.04	1,077.01	8.59	1.78	8.63
7,513.00	78.02	306.36	6,766.13	-246.15	-1,636.57	1,108.18	7.30	2.28	7.09
7,544.00	79.05	308.47	6,772.29	-227.69	-1,660.70	1,138.55	7.45	3.32	6.81
7,576.00	79.96	311.13	6,778.12	-207.55	-1,684.87	1,170.01	8.65	2.84	8.31
7,608.00	80.43	313.49	6,783.57	-186.33	-1,708.19	1,201.50	7.41	1.47	7.38
7,640.00	80.88	316.11	6,788.77	-164.08	-1,730.59	1,232.93	8.20	1.41	8.19
7,672.00	81.58	318.70	6,793.64	-140.80	-1,751.99	1,264.24	8.29	2.19	8.09
7,703.00	82.46	320.95	6,797.95	-117.35	-1,771.79	1,294.44	7.73	2.84	7.26
7,767.00	86.01	325.71	6,804.38	-66.29	-1,809.80	1,356.21	9.25	5.55	7.44
7,831.00	90.80	326.59	6,806.16	-13.18	-1,845.42	1,417.46	7.61	7.48	1.38
7,835.39	90.83	326.60	6,806.10	-9.51	-1,847.84	1,421.65	0.71	0.64	0.31
Smith 1H_LP4									
7,895.00	91.21	326.79	6,805.04	40.30	-1,880.56	1,478.56	0.71	0.64	0.31
7,959.00	91.81	326.21	6,803.35	93.65	-1,915.87	1,539.71	1.30	0.94	-0.91
8,022.00	91.48	325.95	6,801.54	145.91	-1,951.02	1,600.04	0.67	-0.52	-0.41
8,086.00	91.44	323.59	6,799.91	198.17	-1,987.92	1,661.73	3.69	-0.06	-3.69
8,150.00	91.37	326.18	6,798.34	250.50	-2,024.72	1,723.38	4.05	-0.11	4.05
8,214.00	92.89	328.81	6,795.96	304.43	-2,059.08	1,784.17	4.74	2.38	4.11
8,277.00	92.65	332.72	6,792.92	359.33	-2,089.81	1,842.77	6.21	-0.38	6.21

Company:	Stone Energy	Local Co-ordinate Reference:	Well 1H
Project:	Mary Prospect	TVD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Site:	Smith Pad	MD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Well:	1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Smith 1H 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)
8,341.00	92.58	334.60	6,790.00	416.62	-2,118.18	1,901.06	2.94	-0.11	2.94
8,404.00	93.39	335.78	6,786.72	473.73	-2,144.58	1,957.71	2.27	1.29	1.87
8,466.00	93.66	334.21	6,782.91	529.81	-2,170.73	2,013.52	2.56	0.44	-2.53
8,530.00	93.39	333.43	6,778.97	587.13	-2,198.92	2,071.69	1.29	-0.42	-1.22
8,593.00	93.46	332.70	6,775.21	643.20	-2,227.40	2,129.29	1.16	0.11	-1.16
8,656.00	91.91	331.64	6,772.26	698.85	-2,256.78	2,187.32	2.98	-2.46	-1.68
8,720.00	92.55	332.90	6,769.76	755.45	-2,286.54	2,246.25	2.21	1.00	1.97
8,783.00	92.68	333.50	6,766.89	811.63	-2,314.91	2,303.83	0.97	0.21	0.95
8,846.00	92.68	333.22	6,763.94	867.88	-2,343.13	2,361.35	0.44	0.00	-0.44
8,909.00	91.92	333.30	6,761.42	924.09	-2,371.45	2,418.92	1.21	-1.21	0.13
8,973.00	90.81	332.91	6,759.89	981.15	-2,400.39	2,477.51	1.84	-1.73	-0.61
9,036.00	90.57	331.88	6,759.13	1,036.98	-2,429.58	2,535.50	1.68	-0.38	-1.63
9,099.00	91.11	331.77	6,758.21	1,092.51	-2,459.33	2,593.73	0.87	0.86	-0.17
9,162.00	91.78	330.31	6,756.62	1,147.61	-2,489.82	2,652.27	2.55	1.06	-2.32
9,226.00	92.15	330.47	6,754.43	1,203.22	-2,521.43	2,712.00	0.63	0.58	0.25
9,289.00	92.18	331.44	6,752.05	1,258.26	-2,551.99	2,770.55	1.54	0.05	1.54
9,353.00	92.43	331.07	6,749.47	1,314.32	-2,582.74	2,829.91	0.70	0.39	-0.58
9,416.00	91.17	331.48	6,747.49	1,369.54	-2,613.01	2,888.35	2.10	-2.00	0.65
9,480.00	91.54	331.77	6,745.98	1,425.84	-2,643.41	2,947.58	0.73	0.58	0.45
9,544.00	91.68	331.81	6,744.18	1,482.21	-2,673.65	3,006.73	0.23	0.22	0.06
9,607.00	90.57	332.05	6,742.95	1,537.79	-2,703.29	3,064.92	1.80	-1.76	0.38
9,671.00	91.58	332.20	6,741.74	1,594.35	-2,733.21	3,123.94	1.60	1.58	0.23
9,734.00	92.08	331.67	6,739.73	1,649.92	-2,762.83	3,182.11	1.16	0.79	-0.84
9,798.00	91.04	330.61	6,737.99	1,705.95	-2,793.71	3,241.53	2.32	-1.63	-1.66
9,862.00	91.78	330.80	6,736.42	1,761.74	-2,825.02	3,301.15	1.19	1.16	0.30
9,925.00	92.51	330.58	6,734.06	1,816.64	-2,855.84	3,359.81	1.21	1.16	-0.35
9,989.00	92.85	330.55	6,731.06	1,872.32	-2,887.25	3,419.43	0.53	0.53	-0.05
10,053.00	91.41	330.05	6,728.69	1,927.87	-2,918.94	3,479.18	2.38	-2.25	-0.78
10,117.00	91.31	329.58	6,727.17	1,983.18	-2,951.11	3,539.15	0.75	-0.16	-0.73
10,180.00	90.13	330.04	6,726.38	2,037.63	-2,982.79	3,598.19	2.01	-1.87	0.73
10,244.00	90.81	329.32	6,725.85	2,092.87	-3,015.10	3,658.22	1.55	1.06	-1.13
10,308.00	91.44	329.25	6,724.59	2,147.88	-3,047.78	3,718.40	0.99	0.98	-0.11
10,372.00	91.78	329.59	6,722.80	2,202.96	-3,080.32	3,778.51	0.75	0.53	0.53
10,435.00	90.81	330.74	6,721.37	2,257.59	-3,111.66	3,837.41	2.39	-1.54	1.83
10,499.00	91.74	331.85	6,719.95	2,313.71	-3,142.39	3,896.78	2.26	1.45	1.73
10,563.00	92.52	331.92	6,717.57	2,370.12	-3,172.53	3,955.88	1.22	1.22	0.11
10,626.00	92.75	332.25	6,714.67	2,425.73	-3,201.99	4,013.94	0.64	0.37	0.52
10,689.00	91.17	332.99	6,712.52	2,481.64	-3,230.95	4,071.81	2.77	-2.51	1.17
10,752.00	91.64	332.64	6,710.97	2,537.66	-3,259.72	4,129.61	0.93	0.75	-0.56
10,816.00	91.98	332.10	6,708.95	2,594.34	-3,289.38	4,188.51	1.00	0.53	-0.84
10,880.00	92.45	332.31	6,706.48	2,650.91	-3,319.21	4,247.46	0.80	0.73	0.33
10,943.00	92.11	332.40	6,703.97	2,706.67	-3,348.41	4,305.43	0.56	-0.54	0.14
10,974.00	92.31	332.08	6,702.78	2,734.08	-3,362.84	4,333.98	1.22	0.65	-1.03

Last SDI MWD Survey



Scientific Drilling
Survey Report



Company:	Stone Energy	Local Co-ordinate Reference:	Well 1H
Project:	Mary Prospect	TVD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Site:	Smith Pad	MD Reference:	GL 1321' & KB 18' @ 1339.00ft (Saxon 141)
Well:	1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Smith 1H 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)
11,033.33	92.31	332.08	6,700.39	2,786.46	-3,390.60	4,388.68	0.00	0.00	0.00
Smith 1H_PBHL4									
11,041.00	92.31	332.08	6,700.08	2,793.24	-3,394.19	4,395.76	0.00	0.00	0.00
Projection to Bit									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
103.00	103.00	-0.18	0.12	First SDI Gyro Survey
2,582.71	2,582.67	6.53	-5.23	Last SDI Gyro Survey
2,583.01	2,582.97	6.53	-5.22	First SDI MWD Survey
10,974.00	6,702.78	2,734.08	-3,362.84	Last SDI MWD Survey
11,041.00	6,700.08	2,793.24	-3,394.19	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____