



Project: Mary Prospect  
 Site: ZMBG Pad  
 Well: 7H  
 Wellbore: OH  
 Design: 7H As Drilled



WELL DETAILS: 7H

+N/-S	+E/-W	Northing	Ground Level: Easting	1341.00	Latitude	Longitude
0.00	0.00	418393.00	1628110.00		39° 28' 28.413 N	80° 49' 14.204 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well 7H, Grid North  
 Vertical (TVD) Reference: GL 1341' & KB 18' @ 1359.00ft (Saxon 141)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: GL 1341' & KB 18' @ 1359.00ft (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

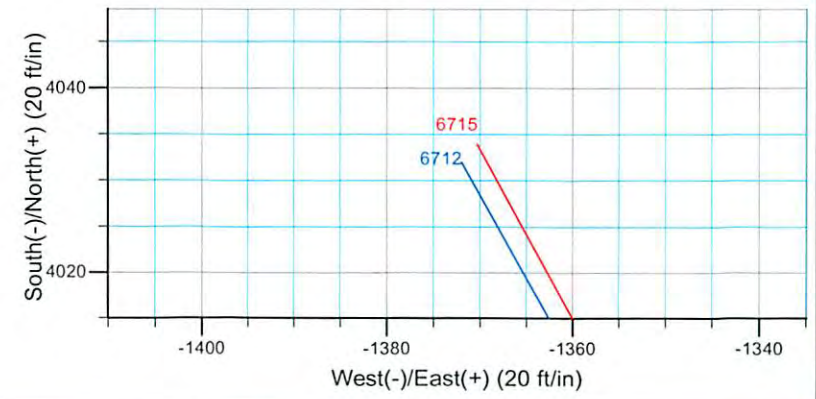
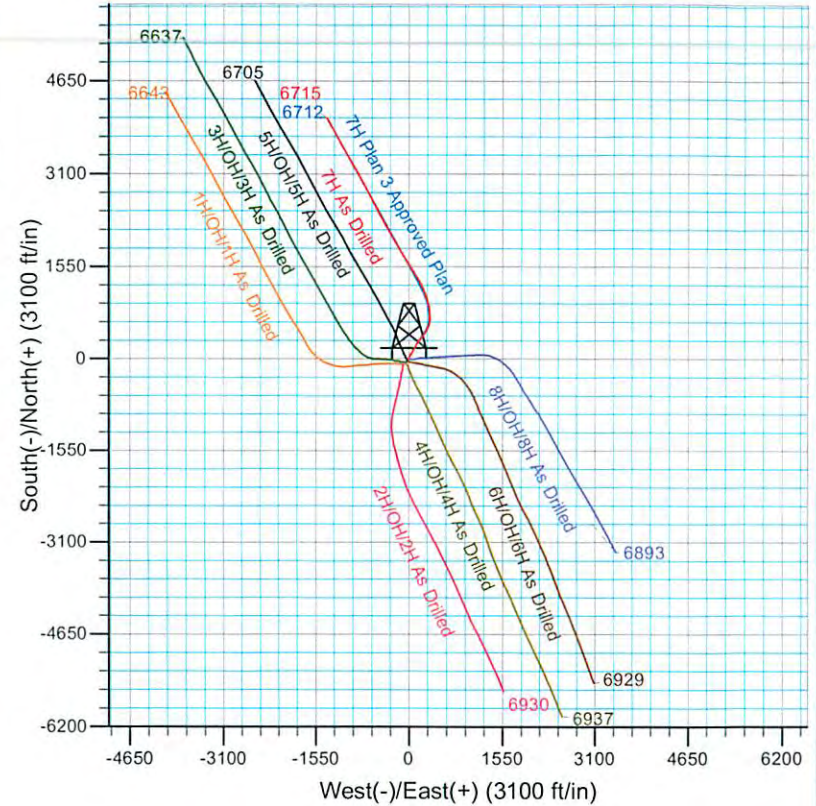
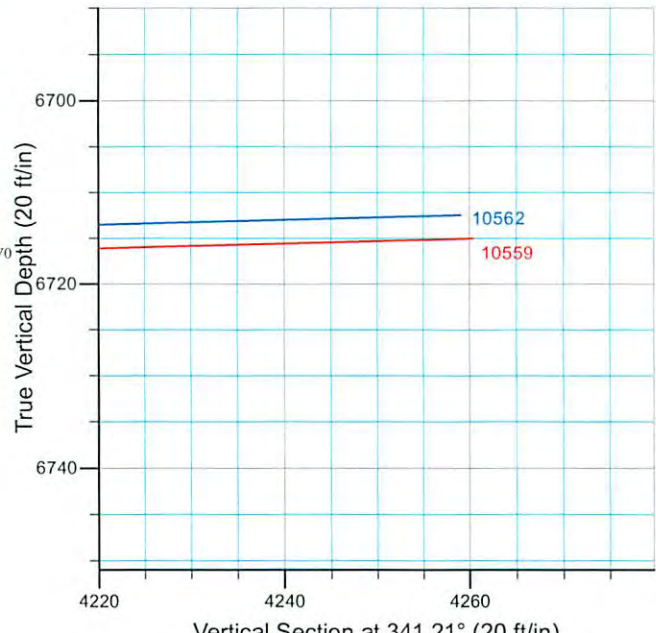
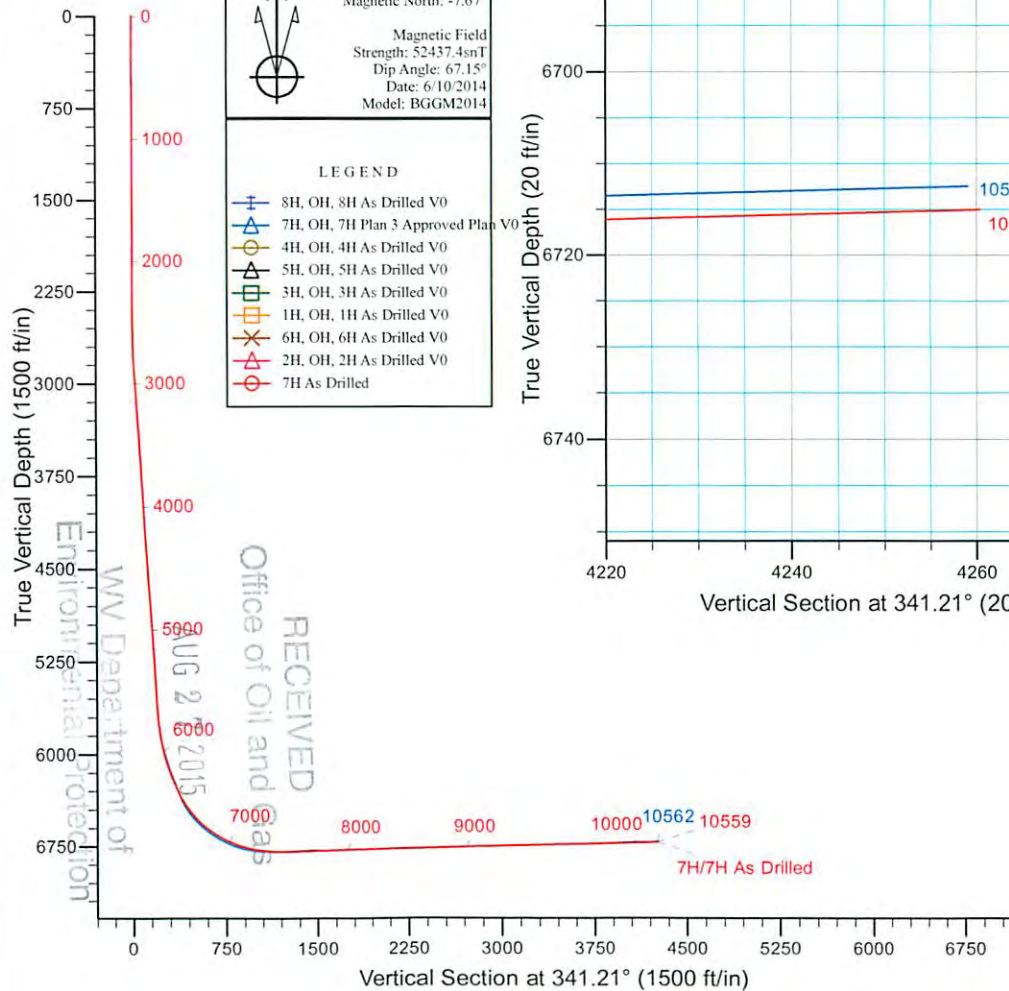
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target
1	5709.00	6.15	28.65	5694.33	258.28	135.28	0.00	0.00	200.93	
2	6132.91	31.56	33.58	6092.24	372.51	208.73	6.00	6.01	285.41	
3	6402.93	31.56	33.58	6322.33	490.24	286.88	0.00	0.00	371.69	
4	7370.08	91.50	331.00	6796.00	1241.70	174.90	8.00	-65.41	1119.17	ZMBG 7H LP2
5	10561.58	91.50	331.00	6712.46	4032.01	-1372.00	0.00	0.00	4259.05	ZMBG 7H_BHL2

Azimuths to Grid North  
 True North: 0.84°  
 Magnetic North: -7.67°

Magnetic Field  
 Strength: 52437.4snT  
 Dip Angle: 67.15°  
 Date: 6/10/2014  
 Model: BGGM2014

LEGEND

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



103-028916

103.02896



## Stone Energy

Mary Prospect  
ZMBG Pad  
7H

OH

Design: 7H As Drilled

## Standard Survey Report

27 June, 2014



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Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Site:</b>	ZMBG Pad	<b>MD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Well:</b>	7H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	7H 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>	ZMBG Pad				
<b>Site Position:</b>		<b>Northing:</b>	418,393.00 usft	<b>Latitude:</b>	39° 38' 28.413 N
<b>From:</b>	Map	<b>Easting:</b>	1,628,110.00 usft	<b>Longitude:</b>	80° 49' 14.204 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.84 °

<b>Well</b>	7H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	418,393.00 usft	<b>Latitude:</b>	39° 38' 28.413 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	1,628,110.00 usft	<b>Longitude:</b>	80° 49' 14.204 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	1,341.00 ft

<b>Wellbore</b>	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/16/2013	-8.48	67.19	52,608
	BGGM2013	8/28/2013	-8.54	67.19	52,532
	BGGM2013	10/18/2013	-8.54	67.18	52,514
	BGGM2013	3/3/2014	-8.55	67.15	52,465
	BGGM2013	4/23/2014	-8.56	67.13	52,447
	BGGM2014	6/10/2014	-8.51	67.15	52,437

<b>Design</b>	7H As Drilled				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		341.21

<b>Survey Program</b>	Date 6/27/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
22.00	2,552.00	Survey 1 - Gyro (OH)	VES GyroFlex	
2,639.00	5,709.00	Survey 2 - MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1
5,711.00	10,559.00	Survey 3 - SDI MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1

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
22.00	0.00	360.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Ground Level</b>									
107.00	0.29	305.79	107.00	0.13	-0.17	0.18	0.34	0.34	0.00

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Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Site:</b>	ZMBG Pad	<b>MD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Well:</b>	7H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	7H 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)	
<b>First Vaughn Gyro Survey</b>										
207.00	0.35	322.11	207.00	0.51	-0.57	0.67	0.11	0.06	16.32	
307.00	0.13	298.77	306.99	0.81	-0.85	1.04	0.24	-0.22	-23.34	
407.00	0.27	294.00	406.99	0.96	-1.17	1.29	0.14	0.14	-4.77	
507.00	0.21	316.13	506.99	1.19	-1.51	1.61	0.11	-0.06	22.13	
607.00	0.26	334.40	606.99	1.53	-1.74	2.00	0.09	0.05	18.27	
707.00	0.16	337.93	706.99	1.86	-1.89	2.37	0.10	-0.10	3.53	
807.00	0.16	323.43	806.99	2.10	-2.02	2.64	0.04	0.00	-14.50	
907.00	0.19	301.67	906.99	2.30	-2.25	2.90	0.07	0.03	-21.76	
1,007.00	0.12	228.35	1,006.99	2.32	-2.47	2.99	0.19	-0.07	-73.32	
1,107.00	0.23	249.60	1,106.99	2.18	-2.73	2.94	0.13	0.11	21.25	
1,207.00	0.08	207.78	1,206.99	2.05	-2.95	2.89	0.18	-0.15	-41.82	
1,307.00	0.16	216.83	1,306.99	1.87	-3.07	2.76	0.08	0.08	9.05	
1,407.00	0.16	224.33	1,406.99	1.66	-3.25	2.62	0.02	0.00	7.50	
1,507.00	0.21	222.75	1,506.99	1.43	-3.47	2.47	0.05	0.05	-1.58	
1,607.00	0.19	217.31	1,606.99	1.16	-3.70	2.29	0.03	-0.02	-5.44	
1,707.00	0.17	186.03	1,706.99	0.88	-3.81	2.06	0.10	-0.02	-31.28	
1,807.00	0.25	212.34	1,806.99	0.55	-3.95	1.79	0.12	0.08	26.31	
1,907.00	0.15	218.75	1,906.99	0.26	-4.14	1.58	0.10	-0.10	6.41	
2,007.00	0.34	201.73	2,006.99	-0.11	-4.34	1.29	0.20	0.19	-17.02	
2,107.00	0.40	213.98	2,106.98	-0.68	-4.64	0.85	0.10	0.06	12.25	
2,207.00	0.15	165.85	2,206.98	-1.10	-4.80	0.51	0.32	-0.25	-48.13	
2,307.00	0.16	337.35	2,306.98	-1.09	-4.83	0.52	0.31	0.01	171.50	
2,407.00	0.16	332.15	2,406.98	-0.84	-4.95	0.80	0.01	0.00	-5.20	
2,507.00	0.30	330.26	2,506.98	-0.49	-5.14	1.19	0.14	0.14	-1.89	
2,552.00	0.44	327.40	2,551.98	-0.24	-5.29	1.47	0.31	0.31	-6.35	
<b>Last Vaughn Gyro Survey</b>										
2,639.00	0.71	325.07	2,638.98	0.48	-5.78	2.32	0.31	0.31	-2.68	
2,639.00	0.71	325.07	2,638.98	0.48	-5.78	2.32	0.02	0.00	0.00	
<b>First SDI MWD Survey</b>										
2,730.00	2.05	3.32	2,729.95	2.57	-6.01	4.37	1.71	1.47	42.04	
2,825.00	3.79	13.49	2,824.82	7.32	-5.18	8.59	1.90	1.83	10.71	
2,916.00	5.21	24.75	2,915.54	13.99	-2.75	14.13	1.83	1.56	12.37	
3,008.00	5.75	31.35	3,007.12	21.72	1.40	20.11	0.90	0.59	7.17	
3,101.00	5.71	32.24	3,099.66	29.61	6.29	26.01	0.10	-0.04	0.96	
3,193.00	5.80	25.76	3,191.19	37.67	10.75	32.20	0.71	0.10	-7.04	
3,287.00	5.31	31.68	3,284.75	45.65	15.10	38.35	0.80	-0.52	6.30	
3,379.00	5.15	32.05	3,376.37	52.77	19.53	43.67	0.18	-0.17	0.40	
3,471.00	5.34	28.16	3,467.98	60.05	23.74	49.20	0.44	0.21	-4.23	
3,565.00	5.35	27.33	3,561.58	67.80	27.82	55.22	0.08	0.01	-0.88	
3,658.00	5.40	23.41	3,654.17	75.67	31.55	61.47	0.40	0.05	-4.22	
3,751.00	5.69	30.44	3,746.73	83.66	35.62	67.72	0.79	0.31	7.56	
3,844.00	5.69	30.65	3,839.27	91.60	40.31	73.73	0.02	0.00	0.23	
3,937.00	5.55	27.79	3,931.83	99.54	44.75	79.82	0.34	-0.15	-3.08	

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Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Site:</b>	ZMBG Pad	<b>MD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Well:</b>	7H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	7H 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)
4,030.00	5.48	25.59	4,024.40	107.53	48.77	86.08	0.24	-0.08	-2.37
4,123.00	5.63	34.42	4,116.96	115.29	53.27	91.99	0.93	0.16	9.49
4,215.00	5.62	33.43	4,208.52	122.78	58.30	97.45	0.11	-0.01	-1.08
4,309.00	6.32	27.48	4,302.01	131.21	63.22	103.85	0.99	0.74	-6.33
4,402.00	6.38	25.77	4,394.44	140.40	67.83	111.07	0.21	0.06	-1.84
4,495.00	6.07	32.01	4,486.89	149.22	72.68	117.86	0.80	-0.33	6.71
4,589.00	6.01	31.31	4,580.37	157.64	77.87	124.15	0.10	-0.06	-0.74
4,681.00	6.20	28.71	4,671.85	166.12	82.76	130.60	0.36	0.21	-2.83
4,775.00	6.17	25.72	4,765.30	175.12	87.39	137.63	0.34	-0.03	-3.18
4,865.00	6.31	23.93	4,854.77	184.00	91.50	144.71	0.27	0.16	-1.99
4,959.00	5.86	28.42	4,948.24	192.94	95.88	151.77	0.70	-0.48	4.78
5,052.00	5.84	30.32	5,040.75	201.20	100.53	158.09	0.21	-0.02	2.04
5,146.00	6.08	26.69	5,134.25	209.77	105.18	164.71	0.48	0.26	-3.86
5,238.00	5.53	33.30	5,225.78	217.83	109.80	170.85	0.94	-0.60	7.18
5,333.00	5.54	35.03	5,320.33	225.41	114.94	176.37	0.18	0.01	1.82
5,429.00	5.77	35.84	5,415.87	233.12	120.43	181.90	0.25	0.24	0.84
5,524.00	5.88	31.12	5,510.38	241.16	125.74	187.80	0.52	0.12	-4.97
5,615.00	6.15	28.34	5,600.87	249.44	130.46	194.11	0.44	0.30	-3.05
5,646.00	6.15	28.65	5,631.70	252.36	132.05	196.37	0.11	0.00	1.00
5,709.00	6.15	28.65	5,694.33	258.28	135.28	200.93	0.00	0.00	0.00
5,711.00	7.54	33.78	5,696.32	258.48	135.41	201.08	75.76	69.41	256.15
5,743.00	9.51	37.73	5,727.97	262.32	138.19	203.82	6.42	6.16	12.34
5,775.00	11.85	41.63	5,759.41	266.87	142.00	206.90	7.65	7.31	12.19
5,807.00	13.87	41.53	5,790.61	272.19	146.72	210.42	6.31	6.31	-0.31
5,838.00	15.84	42.19	5,820.57	278.11	152.03	214.31	6.38	6.35	2.13
5,870.00	17.64	41.54	5,851.21	284.98	158.18	218.83	5.66	5.63	-2.03
5,902.00	19.13	40.57	5,881.58	292.59	164.80	223.90	4.75	4.66	-3.03
5,934.00	21.08	38.88	5,911.63	301.05	171.82	229.65	6.36	6.09	-5.28
5,966.00	22.40	36.60	5,941.35	310.43	179.07	236.19	4.90	4.13	-7.13
5,997.00	23.21	34.03	5,969.93	320.23	186.01	243.24	4.14	2.61	-8.29
6,029.00	24.79	33.51	5,999.16	331.05	193.25	251.15	4.98	4.94	-1.63
6,061.00	26.29	33.84	6,028.03	342.53	200.90	259.56	4.71	4.69	1.03
6,092.00	27.80	34.12	6,055.64	354.22	208.78	268.08	4.89	4.87	0.90
6,124.00	29.19	35.13	6,083.77	366.78	217.45	277.18	4.60	4.34	3.16
6,156.00	30.70	34.36	6,111.49	379.91	226.55	286.67	4.87	4.72	-2.41
6,187.00	31.74	33.64	6,138.00	393.23	235.54	296.39	3.56	3.35	-2.32
6,219.00	32.32	33.76	6,165.13	407.35	244.95	306.72	1.82	1.81	0.38
6,251.00	32.70	33.63	6,192.12	421.66	254.49	317.20	1.21	1.19	-0.41
6,283.00	32.99	32.01	6,219.00	436.24	263.90	327.97	2.89	0.91	-5.06
6,315.00	33.67	31.82	6,245.74	451.17	273.19	339.11	2.15	2.13	-0.59
6,347.00	34.01	30.87	6,272.32	466.39	282.46	350.53	1.97	1.06	-2.97
6,378.00	33.83	30.25	6,298.04	481.28	291.26	361.80	1.26	-0.58	-2.00
6,410.00	34.66	29.85	6,324.49	496.87	300.28	373.65	2.69	2.59	-1.25

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Survey Report



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<b>Site:</b>	ZMBG Pad	<b>MD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
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<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	7H 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)
6,442.00	36.32	26.99	6,350.55	513.21	309.11	386.27	7.34	5.19	-8.94
6,474.00	38.37	24.37	6,375.99	530.70	317.51	400.13	8.10	6.41	-8.19
6,506.00	39.85	22.10	6,400.82	549.25	325.46	415.13	6.43	4.63	-7.09
6,537.00	41.18	18.31	6,424.39	568.15	332.41	430.78	9.03	4.29	-12.23
6,569.00	42.01	14.43	6,448.33	588.52	338.39	448.14	8.46	2.59	-12.13
6,601.00	42.85	10.85	6,471.95	609.58	343.10	466.56	7.99	2.63	-11.19
6,633.00	43.91	6.94	6,495.21	631.29	346.49	486.02	9.02	3.31	-12.22
6,664.00	45.62	4.37	6,517.22	653.01	348.64	505.89	8.03	5.52	-8.29
6,696.00	46.88	2.38	6,539.35	676.08	349.99	527.29	5.97	3.94	-6.22
6,728.00	47.99	359.21	6,561.00	699.64	350.32	549.50	8.08	3.47	-9.91
6,760.00	49.70	356.21	6,582.06	723.71	349.34	572.59	8.85	5.34	-9.38
6,792.00	52.26	354.82	6,602.21	748.49	347.40	596.68	8.68	8.00	-4.34
6,824.00	54.46	354.31	6,621.30	774.05	344.96	621.66	6.99	6.88	-1.59
6,856.00	56.57	353.71	6,639.42	800.28	342.21	647.38	6.77	6.59	-1.88
6,887.00	58.36	351.94	6,656.09	826.21	338.94	672.98	7.52	5.77	-5.71
6,919.00	60.66	350.89	6,672.33	853.47	334.82	700.12	7.72	7.19	-3.28
6,950.00	63.05	349.46	6,686.95	880.40	330.15	727.11	8.72	7.71	-4.61
6,982.00	64.95	348.18	6,700.98	908.61	324.57	755.62	6.94	5.94	-4.00
7,013.00	66.32	346.89	6,713.77	936.19	318.48	783.69	5.82	4.42	-4.16
7,045.00	68.32	345.48	6,726.11	964.85	311.43	813.10	7.46	6.25	-4.41
7,077.00	70.13	343.89	6,737.46	993.71	303.52	842.96	7.32	5.66	-4.97
7,109.00	72.16	342.09	6,747.80	1,022.66	294.66	873.23	8.28	6.34	-5.63
7,141.00	74.18	341.62	6,757.06	1,051.77	285.12	903.85	6.47	6.31	-1.47
7,173.00	76.22	340.19	6,765.24	1,081.00	275.00	934.79	7.70	6.38	-4.47
7,204.00	78.11	339.98	6,772.12	1,109.42	264.70	965.01	6.13	6.10	-0.68
7,236.00	79.87	337.94	6,778.24	1,138.73	253.43	996.39	8.33	5.50	-6.38
7,268.00	81.16	336.35	6,783.51	1,167.81	241.17	1,027.87	6.35	4.03	-4.97
7,300.00	82.46	334.19	6,788.07	1,196.58	227.92	1,059.37	7.82	4.06	-6.75
7,332.00	84.29	332.86	6,791.76	1,225.03	213.75	1,090.87	7.05	5.72	-4.16
7,364.00	87.55	331.68	6,794.04	1,253.28	198.90	1,122.40	10.83	10.19	-3.69
7,395.00	89.83	330.69	6,794.74	1,280.43	183.96	1,152.91	8.02	7.35	-3.19
7,427.00	90.44	328.99	6,794.67	1,308.10	167.88	1,184.28	5.64	1.91	-5.31
7,490.00	90.37	327.97	6,794.22	1,361.80	134.95	1,245.73	1.62	-0.11	-1.62
7,554.00	91.11	328.31	6,793.40	1,416.15	101.17	1,308.07	1.27	1.16	0.53
7,618.00	91.95	328.51	6,791.69	1,470.65	67.66	1,370.46	1.35	1.31	0.31
7,682.00	92.05	327.01	6,789.45	1,524.75	33.54	1,432.66	2.35	0.16	-2.34
7,745.00	91.62	326.11	6,787.44	1,577.29	-1.16	1,493.58	1.58	-0.68	-1.43
7,809.00	91.51	327.94	6,785.69	1,630.96	-35.98	1,555.61	2.86	-0.17	2.86
7,872.00	92.05	329.85	6,783.73	1,684.87	-68.51	1,617.13	3.15	0.86	3.03
7,936.00	91.95	330.00	6,781.50	1,740.22	-100.56	1,679.85	0.28	-0.16	0.23
8,000.00	91.68	330.63	6,779.47	1,795.79	-132.24	1,742.67	1.07	-0.42	0.98
8,063.00	91.44	330.56	6,777.76	1,850.66	-163.16	1,804.56	0.40	-0.38	-0.11
8,127.00	91.38	330.18	6,776.18	1,906.27	-194.79	1,867.40	0.60	-0.09	-0.59

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103-02896



Scientific Drilling  
Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Site:</b>	ZMBG Pad	<b>MD Reference:</b>	GL 1341' & KB 18' @ 1359.00ft (Saxon 141)
<b>Well:</b>	7H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	7H 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)
8,191.00	92.22	329.93	6,774.17	1,961.70	-226.72	1,930.16	1.37	1.31	-0.39
8,255.00	91.82	329.42	6,771.92	2,016.91	-259.02	1,992.83	1.01	-0.63	-0.80
8,318.00	90.50	329.56	6,770.64	2,071.17	-291.00	2,054.51	2.11	-2.10	0.22
8,382.00	90.60	328.75	6,770.03	2,126.12	-323.81	2,117.09	1.28	0.16	-1.27
8,446.00	90.74	330.52	6,769.28	2,181.33	-356.16	2,179.78	2.77	0.22	2.77
8,509.00	90.67	331.03	6,768.50	2,236.31	-386.91	2,241.74	0.82	-0.11	0.81
8,573.00	91.44	330.94	6,767.32	2,292.27	-417.95	2,304.71	1.21	1.20	-0.14
8,637.00	92.02	331.92	6,765.39	2,348.45	-448.54	2,367.75	1.78	0.91	1.53
8,700.00	91.68	332.58	6,763.36	2,404.17	-477.86	2,429.95	1.18	-0.54	1.05
8,763.00	91.41	332.77	6,761.66	2,460.12	-506.77	2,492.23	0.52	-0.43	0.30
8,827.00	92.28	333.40	6,759.60	2,517.16	-535.72	2,555.55	1.68	1.36	0.98
8,890.00	92.39	332.35	6,757.03	2,573.18	-564.42	2,617.84	1.67	0.17	-1.67
8,954.00	92.19	331.29	6,754.47	2,629.55	-594.62	2,680.93	1.68	-0.31	-1.66
9,017.00	91.44	331.84	6,752.48	2,684.92	-624.61	2,743.01	1.48	-1.19	0.87
9,081.00	91.11	331.91	6,751.06	2,741.35	-654.77	2,806.14	0.53	-0.52	0.11
9,144.00	92.08	332.62	6,749.30	2,797.09	-684.08	2,868.35	1.91	1.54	1.13
9,208.00	91.81	331.64	6,747.13	2,853.63	-713.98	2,931.51	1.59	-0.42	-1.53
9,272.00	91.85	330.55	6,745.09	2,909.63	-744.89	2,994.48	1.70	0.06	-1.70
9,335.00	91.91	330.64	6,743.02	2,964.48	-775.81	3,056.37	0.17	0.10	0.14
9,399.00	90.70	330.82	6,741.56	3,020.30	-807.09	3,119.29	1.91	-1.89	0.28
9,462.00	90.84	330.70	6,740.71	3,075.27	-837.86	3,181.24	0.29	0.22	-0.19
9,525.00	91.45	330.49	6,739.46	3,130.14	-868.79	3,243.15	1.02	0.97	-0.33
9,589.00	91.04	330.22	6,738.07	3,185.75	-900.44	3,305.99	0.77	-0.64	-0.42
9,653.00	90.27	330.13	6,737.33	3,241.27	-932.26	3,368.80	1.21	-1.20	-0.14
9,716.00	90.50	330.40	6,736.91	3,295.97	-963.51	3,430.65	0.56	0.37	0.43
9,780.00	91.54	330.91	6,735.77	3,351.75	-994.87	3,493.56	1.81	1.63	0.80
9,843.00	91.61	330.63	6,734.04	3,406.71	-1,025.62	3,555.50	0.46	0.11	-0.44
9,906.00	91.41	329.86	6,732.38	3,461.38	-1,056.88	3,617.32	1.26	-0.32	-1.22
9,970.00	91.21	330.68	6,730.92	3,516.94	-1,088.61	3,680.14	1.32	-0.31	1.28
10,034.00	91.18	331.36	6,729.58	3,572.91	-1,119.61	3,743.12	1.06	-0.05	1.06
10,097.00	91.35	330.94	6,728.19	3,628.08	-1,150.00	3,805.14	0.72	0.27	-0.67
10,161.00	91.04	331.38	6,726.86	3,684.13	-1,180.86	3,868.14	0.84	-0.48	0.69
10,225.00	92.18	331.98	6,725.06	3,740.45	-1,211.21	3,931.23	2.01	1.78	0.94
10,288.00	92.29	331.16	6,722.60	3,795.81	-1,241.18	3,993.30	1.31	0.17	-1.30
10,352.00	91.54	331.70	6,720.46	3,851.98	-1,271.77	4,056.33	1.44	-1.17	0.84
10,416.00	91.81	331.59	6,718.59	3,908.28	-1,302.16	4,119.41	0.46	0.42	-0.17
10,479.00	91.04	331.59	6,717.02	3,963.67	-1,332.12	4,181.51	1.22	-1.22	0.00
10,501.00	91.48	331.45	6,716.54	3,983.01	-1,342.61	4,203.19	2.10	2.00	-0.64
<b>Last SDI MWD Survey</b>									
10,559.00	91.48	331.45	6,715.04	4,033.94	-1,370.32	4,260.33	0.00	0.00	0.00
<b>Projection to Bit</b>									

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