



# Stone Energy Corporation

Mary Prospect

Erlewine Pad

Erlewine 7H - Slot 7H

OH

Design: 7H As Drilled

## Standard Survey Report

26 February, 2015



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

06/02/2017





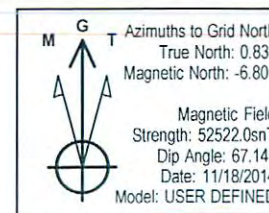
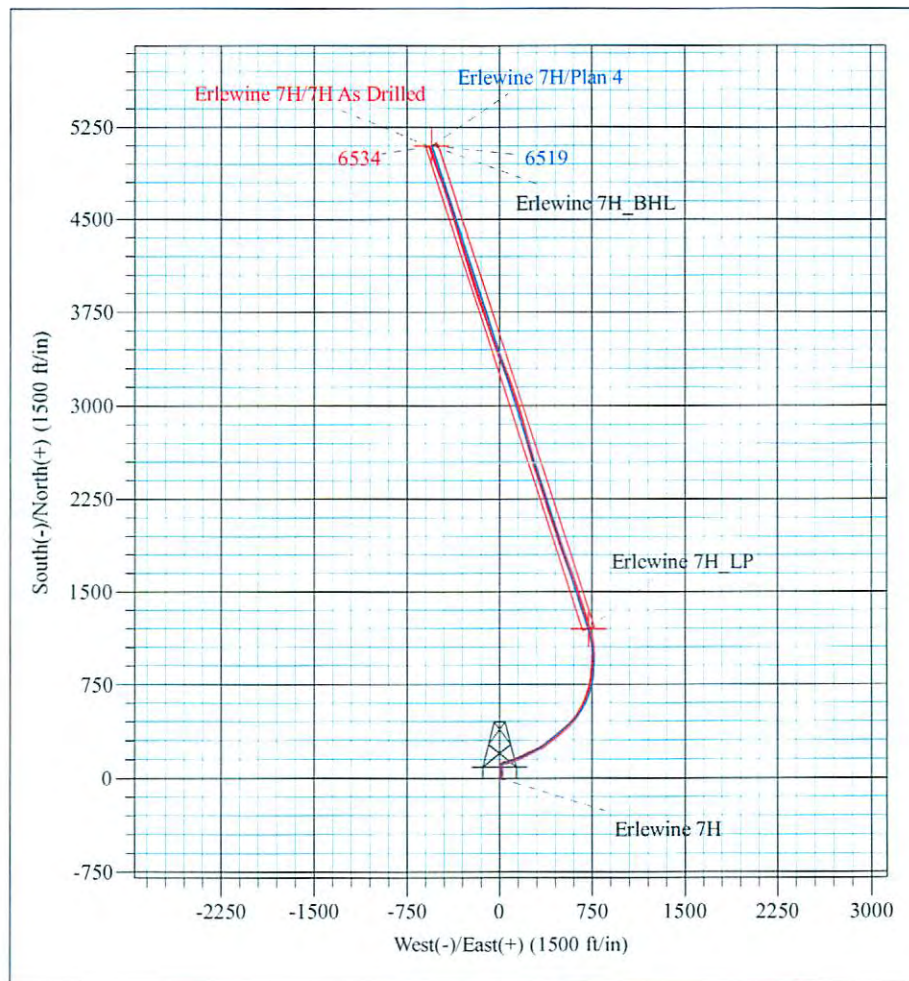
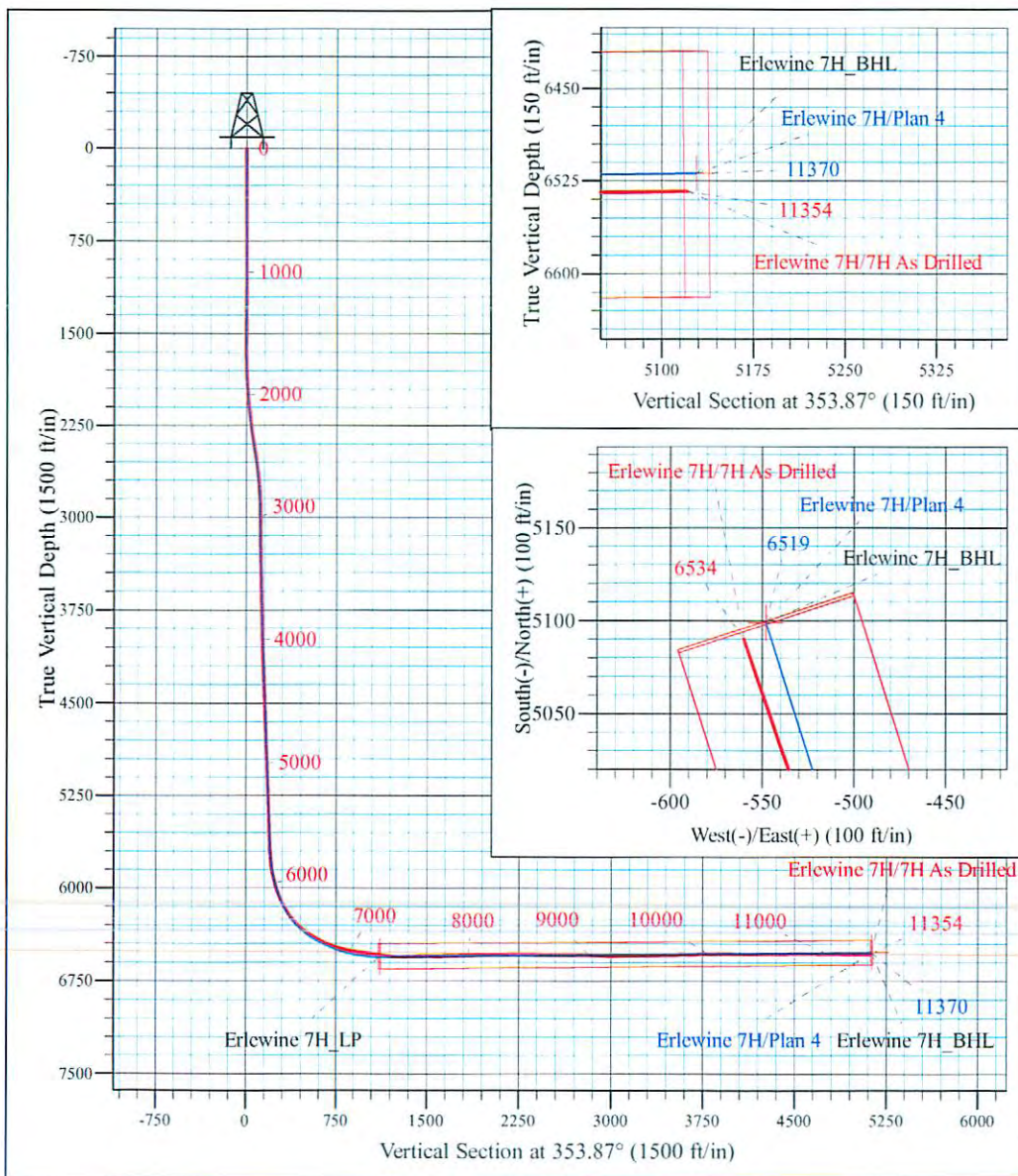
Erlewine Pad  
 Erlewine 7H  
 Plan 4  
 GL 1212' & KB 18' @ 1230.00ft (Saxon 141)  
 Mary Prospect

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: Erlewine 7H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	433702.00	1634914.00	39° 41' 0.686 N	80° 47' 50.060 W



Shane Rhodes  
 11:01, February 26 2015  
 Scientific Drilling International  
 124 Vista Drive  
 Charleroi, PA 15022





Scientific Drilling International  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Erlewine 7H - Slot 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Site:</b>	Erlewine Pad	<b>MD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Well:</b>	Erlewine 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, 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>	Erlewine Pad				
<b>Site Position:</b>		<b>Northing:</b>	433,674.00 usft	<b>Latitude:</b>	39° 41' 0.404 N
<b>From:</b>	Map	<b>Easting:</b>	1,634,878.00 usft	<b>Longitude:</b>	80° 47' 50.515 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.83 °

<b>Well</b>	Erlewine 7H - Slot 7H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	433,702.00 usft	<b>Latitude:</b>	39° 41' 0.686 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	1,634,914.00 usft	<b>Longitude:</b>	80° 47' 50.060 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft	<b>Ground Level:</b>	1,212.00 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>
	HDGM	6/17/2014	-7.62	67.17	52,581
	User Defined	11/17/2014	-7.63	67.14	52,523
	User Defined	11/18/2014	-7.63	67.14	52,522

<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
<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		353.87

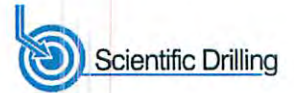
<b>Survey Program</b>	<b>Date</b>	2/26/2015			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
18.00	2,351.00	Survey 1 - SDI Gyro (OH)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
2,464.00	5,637.00	Survey 2 - SDI MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1	
5,658.00	11,354.00	As Drilled Curve (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	0.00
18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.00	0.41	76.38	108.00	0.08	0.31	0.04	0.46	0.46	0.00	0.00
<b>First SDI Gyro Survey @ 108 MD</b>										
208.00	0.35	82.86	208.00	0.20	0.96	0.09	0.07	-0.06	6.48	6.48
308.00	0.20	91.27	308.00	0.23	1.44	0.08	0.15	-0.15	8.41	8.41





Scientific Drilling International  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Erlewine 7H - Slot 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Site:</b>	Erlewine Pad	<b>MD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Well:</b>	Erlewine 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)
408.00	0.20	91.49	408.00	0.22	1.79	0.03	0.00	0.00	0.22
508.00	0.23	36.56	507.99	0.38	2.08	0.16	0.20	0.03	-54.93
608.00	0.30	35.28	607.99	0.76	2.36	0.50	0.07	0.07	-1.28
708.00	0.18	358.10	707.99	1.13	2.50	0.85	0.19	-0.12	-37.18
808.00	0.09	269.10	807.99	1.28	2.42	1.02	0.20	-0.09	-89.00
908.00	0.04	149.46	907.99	1.25	2.36	0.99	0.12	-0.05	-119.64
1,008.00	0.15	189.53	1,007.99	1.09	2.35	0.83	0.12	0.11	40.07
1,108.00	0.06	167.02	1,107.99	0.91	2.34	0.66	0.10	-0.09	-22.51
1,208.00	0.18	296.89	1,207.99	0.93	2.21	0.69	0.22	0.12	129.87
1,257.00	0.25	275.34	1,256.99	0.98	2.04	0.75	0.22	0.14	-43.98
1,351.00	0.44	206.43	1,350.99	0.67	1.67	0.49	0.45	0.20	-73.31
1,445.00	0.93	153.89	1,444.98	-0.34	1.85	-0.53	0.80	0.52	-55.89
1,539.00	1.82	121.74	1,538.96	-1.81	3.45	-2.17	1.22	0.95	-34.20
1,633.00	1.77	111.67	1,632.91	-3.13	6.07	-3.76	0.34	-0.05	-10.71
1,728.00	1.30	50.73	1,727.88	-2.99	8.27	-3.85	1.69	-0.49	-64.15
1,822.00	3.41	22.11	1,821.80	0.28	10.15	-0.81	2.50	2.24	-30.45
1,916.00	4.49	23.49	1,915.58	6.24	12.67	4.85	1.15	1.15	1.47
2,008.00	4.71	12.85	2,007.28	13.23	14.94	11.56	0.96	0.24	-11.57
2,108.00	5.91	4.58	2,106.85	22.36	16.27	20.50	1.42	1.20	-8.27
2,208.00	7.28	1.04	2,206.19	33.83	16.79	31.84	1.43	1.37	-3.54
2,308.00	8.60	358.58	2,305.23	47.64	16.72	45.58	1.36	1.32	-2.46
2,351.00	9.52	356.80	2,347.69	54.40	16.45	52.34	2.24	2.14	-4.14
<b>Last SDI Gyro Survey @ 2351 MD</b>									
2,464.00	9.40	355.87	2,459.15	72.94	15.26	70.89	0.17	-0.11	-0.82
<b>First SDI MWD Survey @ 2464.00 MD</b>									
2,558.00	7.82	3.58	2,552.09	86.98	15.11	84.87	2.08	-1.68	8.20
2,653.00	6.64	9.26	2,646.34	98.85	16.39	96.53	1.45	-1.24	5.98
2,747.00	4.86	19.43	2,739.86	107.97	18.59	105.37	2.17	-1.89	10.82
2,841.00	3.83	41.98	2,833.60	114.06	22.02	111.05	2.10	-1.10	23.99
2,935.00	4.74	62.77	2,927.34	118.17	27.57	114.55	1.90	0.97	22.12
3,029.00	4.83	73.87	3,021.02	121.05	34.83	116.63	0.99	0.10	11.81
3,123.00	5.88	77.58	3,114.61	123.18	43.33	117.85	1.18	1.12	3.95
3,217.00	6.44	80.71	3,208.06	125.07	53.24	118.67	0.69	0.60	3.33
3,311.00	7.50	78.01	3,301.37	127.20	64.44	119.58	1.18	1.13	-2.87
3,405.00	6.81	71.01	3,394.64	130.28	75.71	121.45	1.18	-0.73	-7.45
3,499.00	7.31	72.42	3,487.92	133.90	86.68	123.87	0.56	0.53	1.50
3,593.00	6.51	65.48	3,581.24	137.92	97.23	126.74	1.23	-0.85	-7.38
3,688.00	5.58	66.27	3,675.71	142.01	106.36	129.84	0.98	-0.98	0.83
3,783.00	5.81	69.24	3,770.24	145.58	115.08	132.45	0.39	0.24	3.13
3,877.00	5.84	73.26	3,863.76	148.64	124.11	134.53	0.44	0.03	4.28
3,971.00	6.09	74.22	3,957.25	151.38	133.49	136.24	0.29	0.27	1.02
4,065.00	7.51	72.42	4,050.59	154.59	144.14	138.30	1.53	1.51	-1.91
4,159.00	8.16	69.38	4,143.71	158.79	156.24	141.19	0.82	0.69	-3.23
4,254.00	7.60	63.10	4,237.81	164.01	168.16	145.10	1.08	-0.59	-6.61





**Scientific Drilling International**  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Erlewine 7H - Slot 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Site:</b>	Erlewine Pad	<b>MD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Well:</b>	Erlewine 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)	
4,347.00	7.00	60.18	4,330.06	169.61	178.56	149.56	0.76	-0.65	-3.14	
4,441.00	6.80	68.26	4,423.38	174.52	188.70	153.36	1.05	-0.21	8.60	
4,535.00	6.75	64.21	4,516.72	178.98	198.84	156.71	0.51	-0.05	-4.31	
4,630.00	5.91	62.19	4,611.14	183.69	208.19	160.40	0.91	-0.88	-2.13	
4,724.00	5.81	60.83	4,704.65	188.27	216.63	164.04	0.18	-0.11	-1.45	
4,818.00	6.91	64.99	4,798.07	192.98	225.91	167.74	1.27	1.17	4.43	
4,912.00	6.06	64.25	4,891.47	197.53	235.50	171.23	0.91	-0.90	-0.79	
5,008.00	6.73	69.67	4,986.87	201.68	245.34	174.31	0.94	0.70	5.65	
5,102.00	7.06	70.44	5,080.19	205.53	255.95	177.00	0.36	0.35	0.82	
5,197.00	6.55	67.42	5,174.52	209.57	266.45	179.89	0.66	-0.54	-3.18	
5,290.00	6.04	60.33	5,266.96	214.02	275.60	183.35	1.00	-0.55	-7.62	
5,385.00	6.29	62.02	5,361.42	218.94	284.54	187.28	0.33	0.26	1.78	
5,479.00	7.21	65.86	5,454.76	223.77	294.47	191.02	1.09	0.98	4.09	
5,573.00	7.11	64.19	5,548.03	228.71	305.09	194.80	0.25	-0.11	-1.78	
5,637.00	6.46	66.17	5,611.58	231.89	311.95	197.23	1.08	-1.02	3.09	
5,658.00	6.57	64.44	5,632.45	232.89	314.11	197.99	1.07	0.52	-8.24	
5,688.00	6.83	62.13	5,662.24	234.46	317.24	199.22	1.25	0.87	-7.70	
5,719.00	7.92	61.32	5,692.98	236.35	320.74	200.72	3.53	3.52	-2.61	
5,749.00	9.48	60.07	5,722.64	238.57	324.70	202.51	5.24	5.20	-4.17	
5,779.00	11.43	59.40	5,752.14	241.32	329.40	204.74	6.51	6.50	-2.23	
5,809.00	13.02	57.88	5,781.46	244.63	334.82	207.45	5.41	5.30	-5.07	
5,839.00	15.04	58.83	5,810.56	248.44	341.01	210.58	6.78	6.73	3.17	
5,869.00	17.55	57.17	5,839.35	252.91	348.14	214.26	8.51	8.37	-5.53	
5,899.00	20.03	54.50	5,867.75	258.35	356.13	218.81	8.75	8.27	-8.90	
5,929.00	22.21	51.82	5,895.74	264.84	364.77	224.34	7.95	7.27	-8.93	
5,960.00	24.08	51.16	5,924.24	272.42	374.30	230.87	6.09	6.03	-2.13	
5,990.00	25.88	51.47	5,951.43	280.34	384.19	237.68	6.02	6.00	1.03	
6,020.00	28.20	52.45	5,978.15	288.74	394.94	244.89	7.87	7.73	3.27	
6,050.00	31.34	53.07	6,004.19	297.75	406.79	252.58	10.52	10.47	2.07	
6,080.00	35.35	53.98	6,029.25	307.55	420.06	260.90	13.47	13.37	3.03	
6,110.00	38.62	54.05	6,053.21	318.15	434.66	269.88	10.90	10.90	0.23	
6,141.00	40.93	53.69	6,077.03	329.84	450.67	279.80	7.49	7.45	-1.16	
6,171.00	42.16	53.33	6,099.48	341.68	466.67	289.85	4.18	4.10	-1.20	
6,202.00	43.47	51.12	6,122.22	354.58	483.32	300.91	6.43	4.23	-7.13	
6,232.00	44.61	50.43	6,143.79	367.77	499.47	312.29	4.12	3.80	-2.30	
6,262.00	45.20	49.45	6,165.04	381.40	515.68	324.11	3.03	1.97	-3.27	
6,292.00	46.19	48.80	6,185.99	395.45	531.91	336.35	3.65	3.30	-2.17	
6,323.00	47.49	47.30	6,207.20	410.57	548.73	349.58	5.48	4.19	-4.84	
6,355.00	49.74	46.03	6,228.35	427.05	566.18	364.10	7.64	7.03	-3.97	
6,386.00	51.69	43.30	6,247.98	444.12	583.04	379.27	9.27	6.29	-8.81	
6,418.00	52.50	40.59	6,267.64	462.89	599.91	396.14	7.15	2.53	-8.47	
6,450.00	53.47	36.89	6,286.91	482.82	615.89	414.24	9.72	3.03	-11.56	
6,481.00	54.57	34.35	6,305.13	503.21	630.50	432.96	7.52	3.55	-8.19	





**Scientific Drilling International**  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Erlewine 7H - Slot 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Site:</b>	Erlewine Pad	<b>MD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Well:</b>	Erlewine 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)
6,513.00	56.04	32.05	6,323.34	525.23	644.90	453.31	7.48	4.59	-7.19
6,545.00	57.59	29.85	6,340.86	548.19	658.67	474.67	7.52	4.84	-6.88
6,577.00	59.57	26.80	6,357.54	572.23	671.61	497.19	10.22	6.19	-9.53
6,608.00	61.39	24.02	6,372.82	596.60	683.18	520.18	9.76	5.87	-8.97
6,638.00	62.83	21.97	6,386.85	621.00	693.54	543.34	7.71	4.80	-6.83
6,670.00	63.33	20.95	6,401.34	647.56	703.97	568.62	3.24	1.56	-3.19
6,700.00	64.65	19.02	6,414.50	672.89	713.19	592.83	7.27	4.40	-6.43
6,732.00	65.68	17.07	6,427.94	700.50	722.18	619.32	6.40	3.22	-6.09
6,764.00	66.59	14.50	6,440.89	728.66	730.14	646.47	7.88	2.84	-8.03
6,796.00	67.40	11.99	6,453.39	757.33	736.88	674.25	7.65	2.53	-7.84
6,827.00	69.43	10.27	6,464.80	785.61	742.44	701.78	8.34	6.55	-5.55
6,859.00	72.37	7.54	6,475.27	815.48	747.12	730.98	12.22	9.19	-8.53
6,891.00	74.94	6.68	6,484.28	845.95	750.92	760.86	8.44	8.03	-2.69
6,923.00	76.44	4.87	6,492.19	876.80	754.03	791.20	7.21	4.69	-5.66
6,955.00	77.37	2.69	6,499.44	907.89	756.09	821.90	7.24	2.91	-6.81
6,987.00	78.51	1.00	6,506.12	939.17	757.09	852.89	6.27	3.56	-5.28
7,019.00	80.02	359.78	6,512.08	970.61	757.31	884.13	6.02	4.72	-3.81
7,050.00	81.51	358.94	6,517.06	1,001.20	756.96	914.58	5.50	4.81	-2.71
7,082.00	82.64	356.26	6,521.47	1,032.86	755.64	946.21	9.02	3.53	-8.38
7,113.00	82.91	353.93	6,525.37	1,063.50	753.01	976.95	7.51	0.87	-7.52
7,145.00	82.33	351.77	6,529.48	1,094.99	749.06	1,008.68	6.94	-1.81	-6.75
7,176.00	81.72	349.07	6,533.78	1,125.26	743.95	1,039.32	8.85	-1.97	-8.71
7,208.00	81.78	347.23	6,538.38	1,156.25	737.45	1,070.83	5.69	0.19	-5.75
7,240.00	82.07	344.71	6,542.87	1,186.99	729.77	1,102.21	7.85	0.91	-7.88
7,272.00	82.33	344.33	6,547.21	1,217.54	721.30	1,133.49	1.43	0.81	-1.19
7,303.00	82.49	343.17	6,551.31	1,247.04	712.71	1,163.74	3.74	0.52	-3.74
7,336.00	83.76	341.68	6,555.26	1,278.27	702.81	1,195.85	5.91	3.85	-4.52
7,399.00	89.33	340.95	6,559.05	1,337.82	682.67	1,257.21	8.92	8.84	-1.16
7,463.00	92.32	343.11	6,558.13	1,398.68	662.93	1,319.83	5.76	4.67	3.38
7,527.00	91.71	342.46	6,555.88	1,459.77	644.00	1,382.60	1.39	-0.95	-1.02
7,590.00	92.01	341.17	6,553.84	1,519.59	624.35	1,444.18	2.10	0.48	-2.05
7,654.00	91.07	339.23	6,552.12	1,579.79	602.68	1,506.34	3.37	-1.47	-3.03
7,717.00	90.74	339.26	6,551.12	1,638.69	580.36	1,567.29	0.53	-0.52	0.05
7,781.00	90.84	340.22	6,550.24	1,698.72	558.20	1,629.35	1.51	0.16	1.50
7,844.00	89.46	338.54	6,550.07	1,757.68	536.02	1,690.34	3.45	-2.19	-2.67
7,908.00	91.14	341.69	6,549.74	1,817.86	514.25	1,752.50	5.58	2.63	4.92
7,971.00	91.24	342.31	6,548.43	1,877.76	494.79	1,814.14	1.00	0.16	0.98
8,035.00	92.42	342.20	6,546.39	1,938.68	475.29	1,876.80	1.85	1.84	-0.17
8,098.00	91.85	341.43	6,544.04	1,998.50	455.64	1,938.36	1.52	-0.90	-1.22
8,162.00	91.21	341.44	6,542.33	2,059.14	435.27	2,000.84	1.00	-1.00	0.02
8,225.00	91.38	340.77	6,540.91	2,118.73	414.88	2,062.27	1.10	0.27	-1.06
8,289.00	90.50	341.76	6,539.86	2,179.33	394.32	2,124.72	2.07	-1.38	1.55
8,353.00	90.20	343.42	6,539.47	2,240.40	375.18	2,187.48	2.64	-0.47	2.59
8,416.00	89.93	341.72	6,539.40	2,300.50	356.31	2,249.26	2.73	-0.43	-2.70





**Scientific Drilling International**  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Erlewine 7H - Slot 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Site:</b>	Erlewine Pad	<b>MD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Well:</b>	Erlewine 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)
8,480.00	89.33	340.81	6,539.81	2,361.11	335.75	2,311.71	1.70	-0.94	-1.42
8,544.00	89.73	340.85	6,540.33	2,421.56	314.74	2,374.06	0.63	0.63	0.06
8,607.00	89.43	342.30	6,540.80	2,481.32	294.82	2,435.61	2.35	-0.48	2.30
8,670.00	89.70	344.08	6,541.27	2,541.63	276.61	2,497.52	2.86	0.43	2.83
8,731.00	90.10	343.65	6,541.38	2,600.22	259.65	2,557.59	0.96	0.66	-0.70
8,793.00	90.74	344.25	6,540.93	2,659.81	242.51	2,618.66	1.41	1.03	0.97
8,855.00	89.90	345.05	6,540.58	2,719.59	226.10	2,679.86	1.87	-1.35	1.29
8,917.00	89.29	345.33	6,541.02	2,779.53	210.25	2,741.15	1.08	-0.98	0.45
8,978.00	88.36	344.16	6,542.27	2,838.37	194.21	2,801.36	2.45	-1.52	-1.92
9,039.00	87.52	343.07	6,544.46	2,896.85	177.01	2,861.35	2.26	-1.38	-1.79
9,103.00	87.93	343.35	6,547.00	2,958.07	158.54	2,924.20	0.78	0.64	0.44
9,167.00	89.20	343.12	6,548.60	3,019.33	140.09	2,987.08	2.02	1.98	-0.36
9,230.00	89.50	341.14	6,549.32	3,079.29	120.76	3,048.75	3.18	0.48	-3.14
9,294.00	90.97	341.08	6,549.06	3,139.84	100.04	3,111.17	2.30	2.30	-0.09
9,357.00	90.57	339.33	6,548.21	3,199.11	78.70	3,172.38	2.85	-0.63	-2.78
9,421.00	90.54	338.36	6,547.59	3,258.79	55.61	3,234.19	1.52	-0.05	-1.52
9,483.00	91.47	337.91	6,546.50	3,316.32	32.52	3,293.86	1.67	1.50	-0.73
9,547.00	92.52	339.21	6,544.27	3,375.85	9.14	3,355.55	2.61	1.64	2.03
9,611.00	91.82	340.04	6,541.85	3,435.81	-13.12	3,417.54	1.70	-1.09	1.30
9,674.00	90.44	341.80	6,540.61	3,495.33	-33.71	3,478.92	3.55	-2.19	2.79
9,738.00	90.77	340.69	6,539.93	3,555.93	-54.29	3,541.37	1.81	0.52	-1.73
9,801.00	91.11	341.05	6,538.90	3,615.44	-74.93	3,602.75	0.79	0.54	0.57
9,865.00	91.44	340.53	6,537.48	3,675.86	-95.98	3,665.07	0.96	0.52	-0.81
9,929.00	91.37	340.18	6,535.91	3,736.12	-117.49	3,727.28	0.56	-0.11	-0.55
9,992.00	91.21	340.43	6,534.49	3,795.42	-138.72	3,788.51	0.47	-0.25	0.40
10,055.00	90.37	340.97	6,533.62	3,854.87	-159.54	3,849.85	1.59	-1.33	0.86
10,119.00	89.40	341.30	6,533.75	3,915.43	-180.23	3,912.27	1.60	-1.52	0.52
10,182.00	89.70	340.89	6,534.24	3,975.03	-200.64	3,973.71	0.81	0.48	-0.65
10,245.00	89.70	341.25	6,534.57	4,034.62	-221.08	4,035.15	0.57	0.00	0.57
10,308.00	89.83	343.91	6,534.83	4,094.73	-239.94	4,096.92	4.23	0.21	4.22
10,372.00	90.64	344.50	6,534.57	4,156.31	-257.36	4,160.01	1.57	1.27	0.92
10,436.00	91.17	343.92	6,533.56	4,217.89	-274.77	4,223.10	1.23	0.83	-0.91
10,499.00	91.00	343.96	6,532.36	4,278.42	-292.20	4,285.14	0.28	-0.27	0.06
10,562.00	90.70	344.06	6,531.43	4,338.97	-309.55	4,347.21	0.50	-0.48	0.16
10,626.00	90.84	343.44	6,530.57	4,400.41	-327.46	4,410.21	0.99	0.22	-0.97
10,690.00	90.17	342.68	6,530.01	4,461.63	-346.11	4,473.07	1.58	-1.05	-1.19
10,754.00	88.93	342.88	6,530.51	4,522.76	-365.05	4,535.87	1.96	-1.94	0.31
10,817.00	89.13	341.73	6,531.58	4,582.77	-384.20	4,597.58	1.85	0.32	-1.83
10,881.00	89.70	341.95	6,532.23	4,643.58	-404.14	4,660.17	0.95	0.89	0.34
10,945.00	89.90	341.63	6,532.45	4,704.37	-424.14	4,722.76	0.59	0.31	-0.50
11,009.00	90.44	340.86	6,532.26	4,764.97	-444.72	4,785.21	1.47	0.84	-1.20
11,072.00	89.23	340.18	6,532.44	4,824.36	-465.73	4,846.51	2.20	-1.92	-1.08
11,136.00	88.83	340.36	6,533.53	4,884.60	-487.33	4,908.70	0.69	-0.63	0.28



**Scientific Drilling International**  
Survey Report



<b>Company:</b>	Stone Energy Corporation	<b>Local Co-ordinate Reference:</b>	Well Erlewine 7H - Slot 7H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Site:</b>	Erlewine Pad	<b>MD Reference:</b>	GL 1212' & KB 18' @ 1230.00ft (Saxon 141)
<b>Well:</b>	Erlewine 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)
11,200.00	89.73	340.78	6,534.33	4,944.95	-508.62	4,970.98	1.55	1.41	0.66
11,264.00	90.07	339.85	6,534.44	5,005.21	-530.18	5,033.20	1.55	0.53	-1.45
11,295.00	90.71	340.85	6,534.23	5,034.40	-540.60	5,063.34	3.83	2.06	3.23
<b>Last SDI MWD @ 11295 MD</b>									
11,354.00	90.71	340.85	6,533.50	5,090.13	-559.95	5,120.82	0.00	0.00	0.00
<b>Projection to Bit @ 11354 MD</b>									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
108.00	108.00	0.08	0.31	First SDI Gyro Survey @ 108 MD
2,351.00	2,347.69	54.40	16.45	Last SDI Gyro Survey @ 2351 MD
2,464.00	2,459.15	72.94	15.26	First SDI MWD Survey @ 2464.00 MD
11,295.00	6,534.23	5,034.40	-540.60	Last SDI MWD @ 11295 MD
11,354.00	6,533.50	5,090.13	-559.95	Projection to Bit @ 11354 MD

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