

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

WELL DETAILS: Pribble 1H

+N:-S	+E:W	Northing	Ground Level:	Latitude	Longitude
0.00	0.00	436596.00	1320.00	39° 41' 28.366 N	80° 45' 12.370 W
			Eastng		
			1628521.00		

REFERENCE INFORMATION

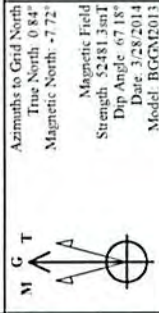
Coordinate (N/E) Reference: Well Pribble 1H, Grid North
 Vertical (TVD) Reference: GL 1320 & KB 18' @ 1338.00ft (Saxon 141)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 1320 & KB 18' @ 1338.00ft (Saxon 141)
 Calculation Method: Minimum Curvature

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

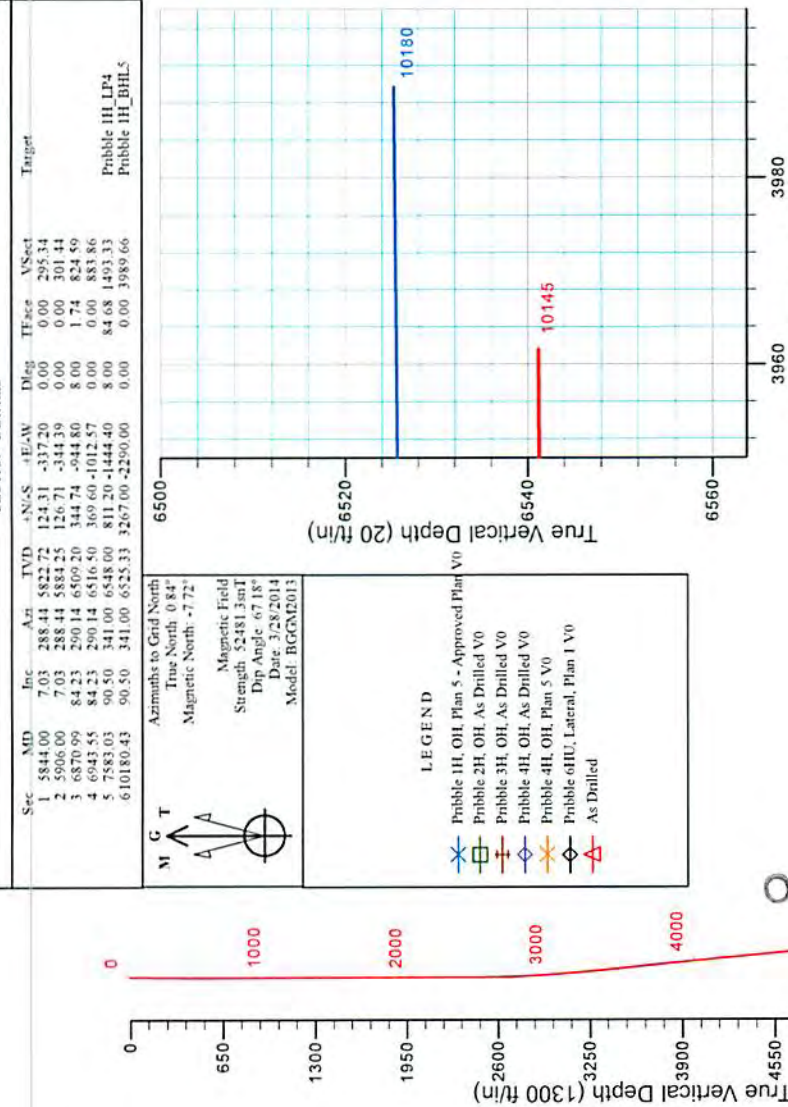
Sec	MD	Inc	Azi	TVD	+N:-S	+E:W	D/Eg	T/Eg	VSect	Target
1	5844.00	7.03	288.44	5822.72	124.31	-337.20	0.00	0.00	295.34	
2	5906.00	7.03	288.44	5881.25	126.71	-344.39	0.00	0.00	301.44	
3	6870.99	84.23	290.14	6509.20	344.74	-944.80	8.00	1.74	824.59	
4	6943.55	84.23	290.14	6516.50	369.60	-1012.57	8.00	0.00	883.86	
5	7583.03	90.50	341.00	6548.00	811.20	-1444.40	8.00	84.68	1493.33	Pribble 1H, LP4
6	10180.43	90.50	341.00	6525.33	3267.00	-2290.00	0.00	0.00	3989.66	Pribble 1H, BHL5



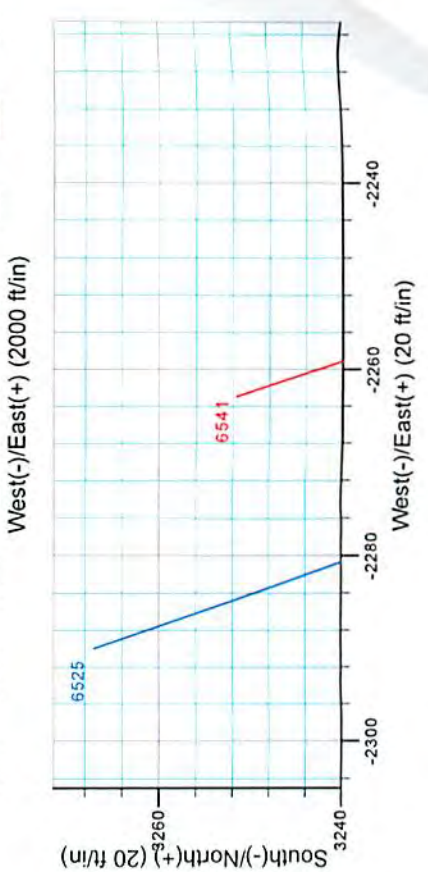
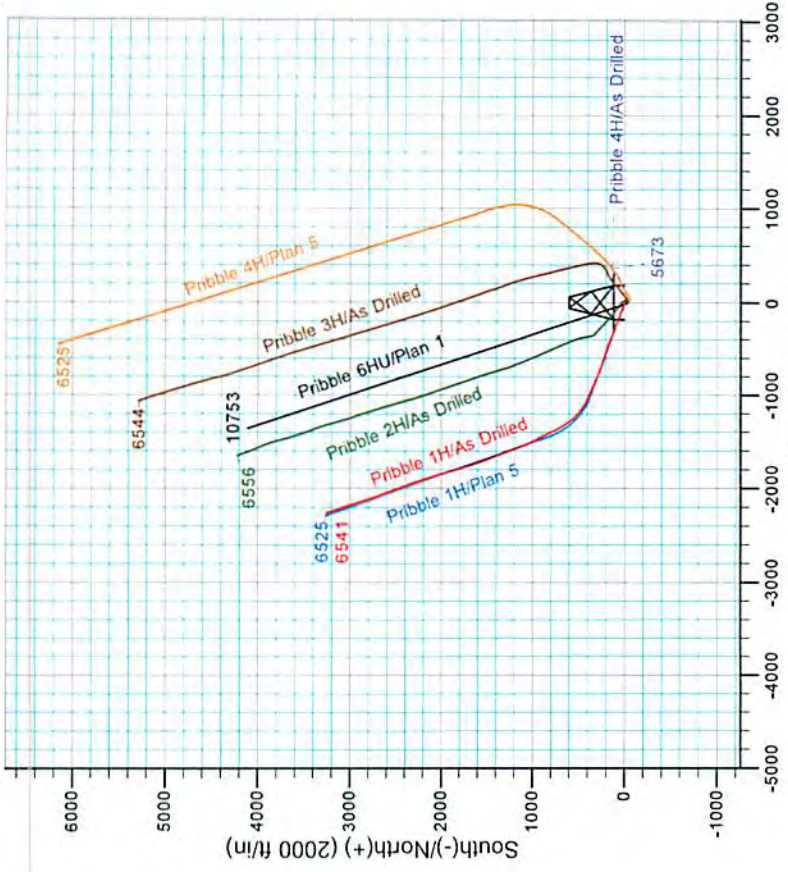
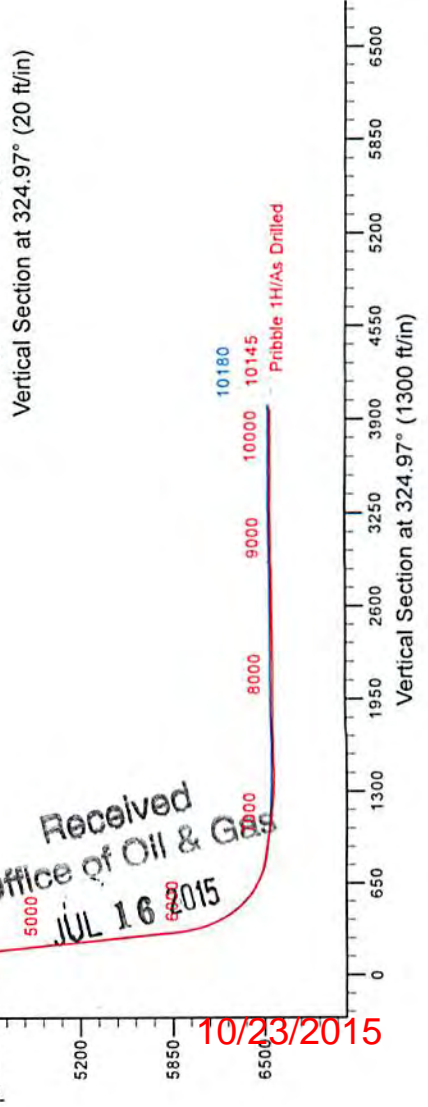
Azimuths to Grid North
 True North 0.84°
 Magnetic North -7.72°

LEGEND

- Pribble 1H, OH, Plan 5 - Approved Plan V0
- Pribble 2H, OH, As Drilled V0
- Pribble 3H, OH, As Drilled V0
- Pribble 4H, OH, As Drilled V0
- Pribble 4H, OH, Plan 5 V0
- Pribble 6HU, Lateral, Plan 1 V0
- As Drilled



Vertical Section at 324.97° (20 ft/in)



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Stone Energy

Mary Prospect
Pribble Pad
Pribble 1H

OH

Design: As Drilled

Standard Survey Report

23 April, 2014



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Scientific Drilling
Survey Report



Company: Stone Energy	Local Co-ordinate Reference: Well Pribble 1H
Project: Mary Prospect	TVD Reference: GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Site: Pribble Pad	MD Reference: GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Well: Pribble 1H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: 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 Pribble Pad		
Site Position: From: Map	Northing: 436,596.00 usft	Latitude: 39° 41' 28.366 N
Position Uncertainty: 0.00 ft	Easting: 1,628,521.00 usft	Longitude: 80° 49' 12.370 W
	Slot Radius: 13-3/16 "	Grid Convergence: -0.84 °

Well Pribble 1H		
Well Position +N/-S 0.00 ft	Northing: 436,596.00 usft	Latitude: 39° 41' 28.366 N
+E/-W 0.00 ft	Easting: 1,628,521.00 usft	Longitude: 80° 49' 12.370 W
Position Uncertainty 0.00 ft	Wellhead Elevation: ft	Ground Level: 1,320.00 ft

Wellbore OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/21/2013	-8.49	67.26	52,662
	IGRF2010	7/12/2013	-8.50	67.22	52,615
	BGGM2013	3/5/2014	-8.56	67.18	52,490
	BGGM2013	3/28/2014	-8.57	67.18	52,481

Design 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	324.97

Survey Program	Date 4/23/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
103.00	2,468.00	Survey 1 - Vaughn Gyro (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
2,511.00	5,906.00	Survey 2 - SDI MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1
5,926.00	10,145.00	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	
103.00	0.56	159.52	103.00	-0.47	0.18	-0.49	0.34	0.54	0.00	
First Vaughn Gyro Survey										
203.00	0.38	150.44	202.99	-1.22	0.51	-1.29	0.19	-0.18	-9.08	
303.00	0.34	148.38	302.99	-1.76	0.83	-1.92	0.04	-0.04	-2.06	
403.00	0.36	153.37	402.99	-2.29	1.13	-2.52	0.04	0.02	4.99	

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Survey Report



Company:	Stone Energy	Local Co-ordinate Reference:	Well Pribble 1H
Project:	Mary Prospect	TVD Reference:	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Site:	Pribble Pad	MD Reference:	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Well:	Pribble 1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	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)
503.00	0.20	167.61	502.99	-2.74	1.30	-3.00	0.17	-0.16	14.24
603.00	0.19	158.62	602.99	-3.07	1.40	-3.32	0.03	-0.01	-8.99
703.00	0.29	152.27	702.99	-3.45	1.58	-3.73	0.10	0.10	-6.35
803.00	0.13	154.78	802.99	-3.77	1.75	-4.09	0.16	-0.16	2.51
903.00	0.20	215.92	902.99	-4.02	1.69	-4.26	0.18	0.07	61.14
1,003.00	0.16	218.04	1,002.99	-4.27	1.50	-4.36	0.04	-0.04	2.12
1,103.00	0.31	226.43	1,102.99	-4.57	1.22	-4.44	0.15	0.15	8.39
1,203.00	0.33	220.47	1,202.98	-4.97	0.84	-4.55	0.04	0.02	-5.96
1,303.00	0.23	211.95	1,302.98	-5.36	0.55	-4.70	0.11	-0.10	-8.52
1,403.00	0.30	181.90	1,402.98	-5.79	0.43	-4.99	0.15	0.07	-30.05
1,503.00	0.05	161.58	1,502.98	-6.10	0.44	-5.24	0.25	-0.25	-20.32
1,603.00	0.21	174.31	1,602.98	-6.32	0.47	-5.44	0.16	0.16	12.73
1,703.00	0.18	176.16	1,702.98	-6.66	0.50	-5.74	0.03	-0.03	1.85
1,803.00	0.17	180.49	1,802.98	-6.96	0.51	-5.99	0.02	-0.01	4.33
1,903.00	0.18	89.90	1,902.98	-7.11	0.66	-6.20	0.25	0.01	-90.59
2,003.00	0.12	11.15	2,002.98	-7.01	0.84	-6.22	0.20	-0.06	-78.75
2,103.00	0.20	9.42	2,102.98	-6.73	0.89	-6.02	0.08	0.08	-1.73
2,203.00	0.11	340.82	2,202.98	-6.47	0.89	-5.81	0.12	-0.09	-28.60
2,303.00	0.02	330.97	2,302.98	-6.36	0.85	-5.70	0.09	-0.09	-9.85
2,403.00	0.19	325.84	2,402.98	-6.21	0.74	-5.51	0.17	0.17	-5.13
2,468.00	0.09	314.77	2,467.98	-6.09	0.65	-5.36	0.16	-0.15	-17.03
Last Vaughn Gyro Survey									
2,511.00	0.14	297.88	2,510.98	-6.04	0.58	-5.28	0.14	0.12	-39.28
First SDI MWD Survey									
2,605.00	0.91	284.56	2,604.97	-5.80	-0.25	-4.61	0.82	0.82	-14.17
2,698.00	2.19	295.36	2,697.94	-4.85	-2.57	-2.50	1.41	1.38	11.61
2,792.00	3.48	300.12	2,791.82	-2.65	-6.66	1.65	1.39	1.37	5.06
2,885.00	4.16	300.84	2,884.61	0.50	-12.00	7.29	0.73	0.73	0.77
2,976.00	4.83	296.00	2,975.33	3.87	-18.27	13.66	0.85	0.74	-5.32
3,069.00	5.02	292.17	3,067.99	7.12	-25.56	20.50	0.41	0.20	-4.12
3,159.00	4.83	287.20	3,157.66	9.73	-32.83	26.81	0.52	-0.21	-5.52
3,254.00	5.36	292.01	3,252.28	12.57	-40.76	33.69	0.72	0.56	5.06
3,348.00	6.45	293.25	3,345.78	16.30	-49.68	41.87	1.17	1.16	1.32
3,439.00	7.49	290.96	3,436.11	20.44	-59.92	51.13	1.18	1.14	-2.52
3,530.00	7.41	288.97	3,526.34	24.47	-71.01	60.79	0.30	-0.09	-2.19
3,624.00	7.07	294.35	3,619.59	28.83	-82.01	70.68	0.81	-0.36	5.72
3,715.00	7.39	295.56	3,709.87	33.66	-92.39	80.59	0.39	0.35	1.33
3,809.00	7.12	291.40	3,803.12	38.39	-103.27	90.71	0.63	-0.29	-4.43
3,901.00	6.77	291.80	3,894.44	42.49	-113.61	100.00	0.38	0.99	0.43
3,995.00	7.67	290.75	3,987.70	46.77	-124.62	109.83	0.97	0.12	-1.12
4,088.00	7.56	286.47	4,079.88	50.70	-136.29	119.75	0.62	0.12	-4.60
4,179.00	7.31	287.31	4,170.11	54.12	-147.56	129.02	0.50	-0.27	0.92
4,273.00	6.83	284.50	4,263.40	57.30	-158.66	138.00	0.63	-0.51	-2.99

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Scientific Drilling
Survey Report



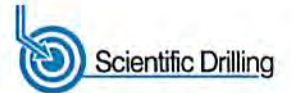
Company: Stone Energy	Local Co-ordinate Reference: Well Pribble 1H
Project: Mary Prospect	TVD Reference: GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Site: Pribble Pad	MD Reference: GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Well: Pribble 1H	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: 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)	
4,363.00	6.83	287.76	4,352.76	60.27	-168.96	146.33	0.43	0.00	3.62	
4,454.00	7.01	293.72	4,443.10	64.16	-179.20	155.39	0.81	0.20	6.55	
4,546.00	6.63	292.28	4,534.45	68.43	-189.25	164.66	0.45	-0.41	-1.57	
4,637.00	6.87	288.95	4,624.82	72.19	-199.26	173.48	0.50	0.26	-3.66	
4,732.00	7.37	285.51	4,719.08	75.66	-210.50	182.78	0.69	0.53	-3.62	
4,824.00	7.47	293.60	4,810.32	79.63	-221.67	192.45	1.14	0.11	8.79	
4,916.00	7.16	294.78	4,901.57	84.43	-232.36	202.51	0.37	-0.34	1.28	
5,011.00	6.58	296.56	4,995.88	89.35	-242.60	212.41	0.65	-0.61	1.87	
5,104.00	6.05	293.75	5,088.32	93.70	-251.85	221.29	0.66	-0.57	-3.02	
5,195.00	6.60	295.32	5,178.77	97.87	-260.97	229.94	0.63	0.60	1.73	
5,285.00	7.30	291.47	5,268.10	102.18	-270.97	239.20	0.93	0.78	-4.28	
5,380.00	7.05	288.62	5,362.36	106.25	-282.11	248.93	0.46	-0.26	-3.00	
5,473.00	7.52	286.68	5,454.61	109.82	-293.35	258.30	0.57	0.51	-2.09	
5,564.00	7.32	288.70	5,544.85	113.38	-304.54	267.65	0.36	-0.22	2.22	
5,659.00	6.67	287.66	5,639.14	117.00	-315.53	276.92	0.70	-0.68	-1.09	
5,751.00	7.35	289.21	5,730.45	120.55	-326.18	285.94	0.77	0.74	1.68	
5,844.00	7.03	288.44	5,822.72	124.31	-337.20	295.34	0.36	-0.34	-0.83	
5,906.00	7.03	288.44	5,884.25	126.71	-344.39	301.44	0.00	0.00	0.00	
5,926.00	8.63	290.37	5,904.07	127.62	-346.96	303.66	8.11	8.00	9.65	
5,958.00	11.01	292.27	5,935.60	129.62	-352.04	308.20	7.51	7.44	5.94	
5,990.00	13.02	294.01	5,966.89	132.24	-358.16	313.87	6.38	6.28	5.44	
6,022.00	14.58	295.80	5,997.97	135.46	-365.08	320.48	5.05	4.88	5.59	
6,053.00	16.52	295.65	6,027.83	139.07	-372.57	327.73	6.26	6.26	-0.48	
6,086.00	18.99	296.03	6,059.26	143.46	-381.62	336.52	7.49	7.48	1.15	
6,117.00	21.65	294.63	6,088.33	148.05	-391.36	345.87	8.72	8.58	-4.52	
6,149.00	24.36	294.08	6,117.78	153.21	-402.75	356.63	8.50	8.47	-1.72	
6,181.00	27.26	292.40	6,146.58	158.69	-415.55	368.47	9.35	9.06	-5.25	
6,213.00	30.22	290.85	6,174.64	164.35	-429.86	381.31	9.54	9.25	-4.84	
6,244.00	33.48	289.75	6,200.97	170.02	-445.20	394.76	10.68	10.52	-3.55	
6,276.00	36.63	288.86	6,227.16	176.09	-462.55	409.69	9.97	9.84	-2.78	
6,307.00	39.93	287.76	6,251.49	182.12	-480.78	425.09	10.87	10.65	-3.55	
6,339.00	42.59	287.71	6,275.55	188.54	-500.88	441.89	8.31	8.31	-0.16	
6,371.00	45.72	288.03	6,298.50	195.39	-522.09	459.66	9.81	9.78	1.00	
6,403.00	47.52	287.67	6,320.48	202.51	-544.23	478.21	5.68	5.63	-1.13	
6,435.00	49.98	287.19	6,341.58	209.72	-567.18	497.28	7.77	7.69	-1.50	
6,466.00	51.67	287.47	6,361.16	216.88	-590.12	516.31	5.50	5.45	0.90	
6,498.00	55.17	288.13	6,380.23	224.73	-614.58	536.79	11.06	10.94	2.06	
6,530.00	58.67	288.97	6,397.69	233.27	-639.99	558.36	11.16	10.94	2.63	
6,562.00	61.46	289.39	6,413.66	242.38	-666.18	580.85	8.79	8.72	1.31	
6,593.00	63.54	290.33	6,427.97	251.72	-692.04	603.35	7.23	6.71	3.03	
6,625.00	65.91	290.94	6,441.63	261.92	-719.12	627.24	7.60	7.41	1.91	
6,657.00	67.48	291.65	6,454.29	272.59	-746.50	651.70	5.31	4.91	2.22	
6,689.00	68.66	292.08	6,466.24	283.65	-774.05	676.56	3.89	3.69	1.34	
6,721.00	71.04	292.47	6,477.27	295.03	-801.85	701.84	7.52	7.44	1.22	

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Survey Report



Company:	Stone Energy	Local Co-ordinate Reference:	Well Pribble 1H
Project:	Mary Prospect	TVD Reference:	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Site:	Pribble Pad	MD Reference:	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Well:	Pribble 1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	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)
6,753.00	74.80	292.49	6,486.66	306.73	-830.11	727.64	11.75	11.75	0.06
6,784.00	78.42	293.04	6,493.84	318.40	-857.91	753.15	11.80	11.68	1.77
6,816.00	81.52	292.67	6,499.41	330.63	-886.94	779.84	9.75	9.69	-1.16
6,848.00	83.14	292.55	6,503.68	342.83	-916.22	806.62	5.08	5.06	-0.38
6,878.00	83.64	292.40	6,507.14	354.22	-943.76	831.76	1.74	1.67	-0.50
6,910.00	83.85	292.61	6,510.62	366.39	-973.14	858.60	0.93	0.66	0.66
6,941.00	83.79	292.32	6,513.96	378.17	-1,001.62	884.59	0.95	-0.19	-0.94
6,973.00	82.93	294.50	6,517.66	390.80	-1,030.79	911.67	7.28	-2.69	6.81
7,005.00	82.10	297.18	6,521.83	404.62	-1,059.34	939.38	8.70	-2.59	8.38
7,037.00	81.92	299.41	6,526.28	419.64	-1,087.24	967.69	6.92	-0.56	6.97
7,069.00	82.02	302.29	6,530.75	435.89	-1,114.44	996.61	8.92	0.31	9.00
7,100.00	82.55	305.05	6,534.91	452.92	-1,140.01	1,025.23	8.99	1.71	8.90
7,132.00	82.76	307.89	6,539.00	471.78	-1,165.53	1,055.32	8.83	0.66	8.88
7,164.00	83.05	310.86	6,542.96	491.93	-1,190.07	1,085.90	9.25	0.91	9.28
7,196.00	83.47	313.07	6,546.71	513.17	-1,213.70	1,116.86	6.98	1.31	6.91
7,228.00	83.69	315.15	6,550.29	535.31	-1,236.53	1,148.09	6.50	0.69	6.50
7,259.00	84.50	318.37	6,553.48	557.77	-1,257.65	1,178.61	10.66	2.61	10.39
7,291.00	84.93	321.04	6,556.43	582.07	-1,278.25	1,210.33	8.42	1.34	8.34
7,323.00	85.61	323.75	6,559.07	607.33	-1,297.71	1,242.19	8.70	2.13	8.47
7,355.00	86.14	326.45	6,561.37	633.51	-1,315.97	1,274.10	8.58	1.66	8.44
7,387.00	87.19	329.33	6,563.23	660.56	-1,332.95	1,306.00	9.57	3.28	9.00
7,418.00	88.35	331.81	6,564.44	687.54	-1,348.17	1,336.83	8.83	3.74	8.00
7,450.00	89.70	333.96	6,564.98	716.02	-1,362.75	1,368.52	7.93	4.22	6.72
7,513.00	90.17	334.37	6,565.06	772.72	-1,390.20	1,430.71	0.99	0.75	0.65
7,577.00	90.67	333.81	6,564.59	830.28	-1,418.17	1,493.90	1.17	0.78	-0.88
7,640.00	91.37	333.41	6,563.47	886.71	-1,446.17	1,556.17	1.28	1.11	-0.63
7,704.00	91.68	333.74	6,561.76	944.00	-1,474.64	1,619.43	0.71	0.48	0.52
7,768.00	90.10	334.02	6,560.77	1,001.46	-1,502.81	1,682.65	2.51	-2.47	0.44
7,831.00	89.50	335.44	6,560.99	1,058.43	-1,529.70	1,744.73	2.45	-0.95	2.25
7,895.00	88.96	337.99	6,561.85	1,117.20	-1,555.00	1,807.38	4.07	-0.84	3.98
7,959.00	89.03	339.73	6,562.97	1,176.88	-1,578.07	1,869.50	2.72	0.11	2.72
8,022.00	89.46	340.78	6,563.80	1,236.17	-1,599.36	1,930.27	1.80	0.68	1.67
8,085.00	90.30	340.02	6,563.93	1,295.52	-1,620.49	1,990.99	1.80	1.33	-1.21
8,149.00	90.90	339.18	6,563.26	1,355.50	-1,642.80	2,052.92	1.61	0.94	-1.31
8,212.00	91.31	339.64	6,562.05	1,414.47	-1,664.95	2,113.91	0.98	0.65	0.73
8,276.00	90.23	339.93	6,561.19	1,474.52	-1,687.06	2,175.78	1.75	-1.69	0.45
8,339.00	90.94	339.85	6,560.54	1,533.68	-1,708.72	2,236.65	1.13	1.13	-0.13
8,402.00	91.61	340.16	6,559.14	1,592.86	-1,730.26	2,297.48	1.17	1.06	0.49
8,466.00	90.30	342.72	6,558.08	1,653.52	-1,750.62	2,358.84	4.49	-2.05	4.00
8,529.00	90.00	343.52	6,557.91	1,713.81	-1,768.91	2,418.71	1.36	-0.48	1.27
8,592.00	90.60	343.43	6,557.58	1,774.20	-1,786.83	2,478.45	0.96	0.95	-0.14
8,655.00	91.44	342.75	6,556.46	1,834.47	-1,805.16	2,538.31	1.72	1.33	-1.08
8,719.00	90.74	343.31	6,555.24	1,895.67	-1,823.83	2,599.15	1.40	-1.09	0.88

103-02832



Scientific Drilling
Survey Report



Company:	Stone Energy	Local Co-ordinate Reference:	Well Pribble 1H
Project:	Mary Prospect	TVD Reference:	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Site:	Pribble Pad	MD Reference:	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
Well:	Pribble 1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	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)	
8,782.00	90.94	343.83	6,554.32	1,956.09	-1,841.65	2,658.85	0.88	0.32	0.83	
8,846.00	90.07	344.16	6,553.75	2,017.61	-1,859.29	2,719.35	1.45	-1.36	0.52	
8,909.00	90.97	344.94	6,553.18	2,078.33	-1,876.08	2,778.71	1.89	1.43	1.24	
8,972.00	91.57	344.88	6,551.79	2,139.14	-1,892.47	2,837.92	0.96	0.95	-0.10	
9,036.00	90.27	342.50	6,550.76	2,200.55	-1,910.44	2,898.52	4.24	-2.03	-3.72	
9,099.00	90.91	341.67	6,550.11	2,260.49	-1,929.82	2,958.73	1.66	1.02	-1.32	
9,164.00	90.10	340.04	6,549.54	2,321.89	-1,951.14	3,021.24	2.80	-1.25	-2.51	
9,227.00	90.60	340.12	6,549.15	2,381.12	-1,972.60	3,082.06	0.80	0.79	0.13	
9,290.00	91.04	339.49	6,548.25	2,440.24	-1,994.35	3,142.95	1.22	0.70	-1.00	
9,354.00	90.10	340.18	6,547.61	2,500.31	-2,016.41	3,204.81	1.82	-1.47	1.08	
9,418.00	89.23	339.48	6,547.99	2,560.39	-2,038.47	3,266.67	1.74	-1.36	-1.09	
9,481.00	90.10	339.76	6,548.36	2,619.44	-2,060.41	3,327.62	1.45	1.38	0.44	
9,544.00	90.67	341.43	6,547.93	2,678.86	-2,081.34	3,388.29	2.80	0.90	2.65	
9,608.00	91.01	341.09	6,546.99	2,739.46	-2,101.90	3,449.71	0.75	0.53	-0.53	
9,672.00	90.13	340.60	6,546.36	2,799.91	-2,122.90	3,511.27	1.57	-1.38	-0.77	
9,734.00	90.74	341.77	6,545.89	2,858.60	-2,142.90	3,570.80	2.13	0.98	1.89	
9,796.00	90.37	342.98	6,545.29	2,917.68	-2,161.67	3,629.95	2.04	-0.60	1.95	
9,859.00	91.07	344.35	6,544.50	2,978.13	-2,179.38	3,689.62	2.44	1.11	2.17	
9,923.00	91.68	344.40	6,542.96	3,039.75	-2,196.62	3,749.97	0.96	0.95	0.08	
9,987.00	90.47	342.95	6,541.76	3,101.15	-2,214.60	3,810.58	2.95	-1.89	-2.27	
10,050.00	89.93	342.01	6,541.54	3,161.23	-2,233.57	3,870.66	1.72	-0.86	-1.49	
10,082.00	90.30	341.96	6,541.47	3,191.66	-2,243.46	3,901.26	1.17	1.16	-0.16	
Last SDI MWD Survey										
10,145.00	90.30	341.96	6,541.14	3,251.56	-2,262.97	3,961.51	0.00	0.00	0.00	
Projection to Bit										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
103.00	103.00	-0.47	0.18	First Vaughn Gyro Survey	
2,468.00	2,467.98	-6.09	0.65	Last Vaughn Gyro Survey	
2,511.00	2,510.98	-6.04	0.58	First SDI MWD Survey	
10,082.00	6,541.47	3,191.66	-2,243.46	Last SDI MWD Survey	
10,145.00	6,541.14	3,251.56	-2,262.97	Projection to Bit	

Checked By: _____ Approved By: _____ Date: _____