

WELL DETAILS: Pribble 4H

+N-S 0.00    +E-W 0.00    Northing 436542.00    Easting 1628548.00    Ground Level: 1320.00  
 Latitude 39° 41' 27.836 N    Longitude 80° 49' 12.014 W

REFERENCE INFORMATION

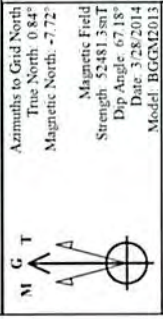
Co-ordinate (N/E) Reference: Well Pribble 4H, Grid North  
 Vertical (TVD) Reference: GL 1320' & KB 18' @ 1338 00ft (Saxon 141)  
 Section (NS) Reference: Slot - (0.00N, 0.00E) @ 1338 00ft (Saxon 141)  
 Measured Depth Reference: GL 1320' & KB 18' @ 1338 00ft (Saxon 141)  
 Calculation Method: Minimum Curvature

PROJECT DETAILS: Mary Prospect

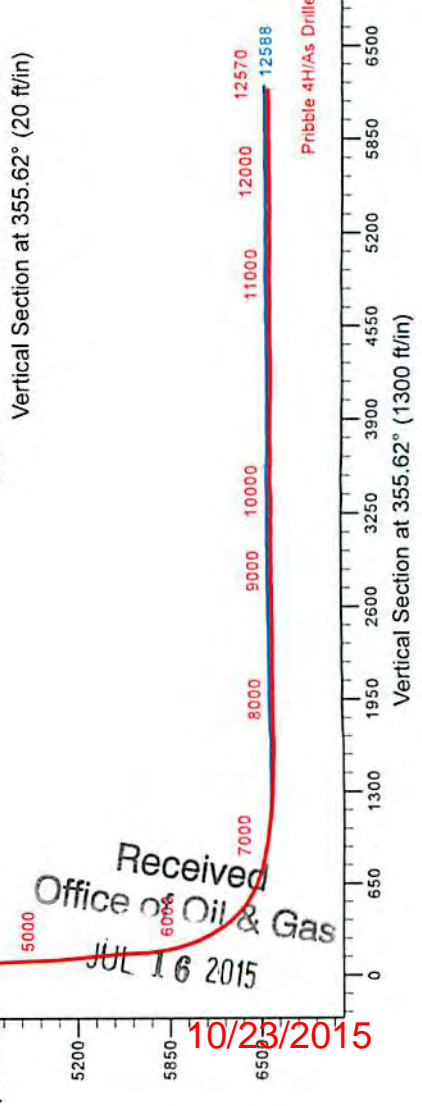
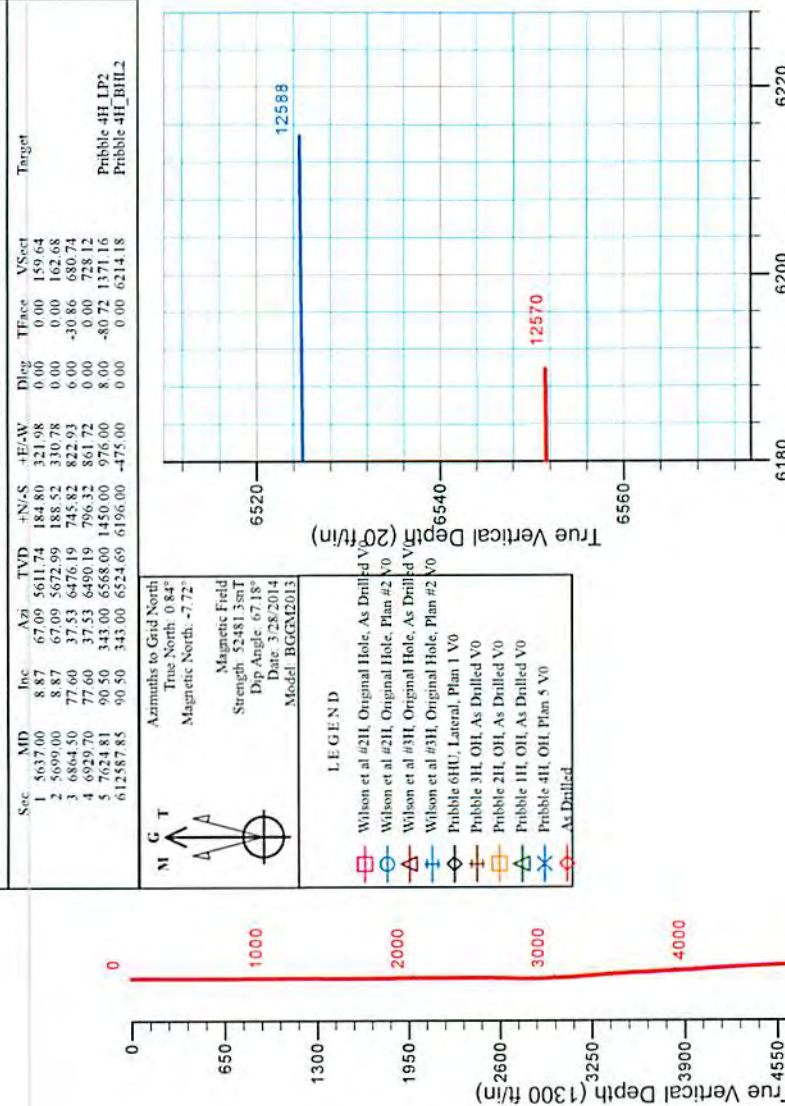
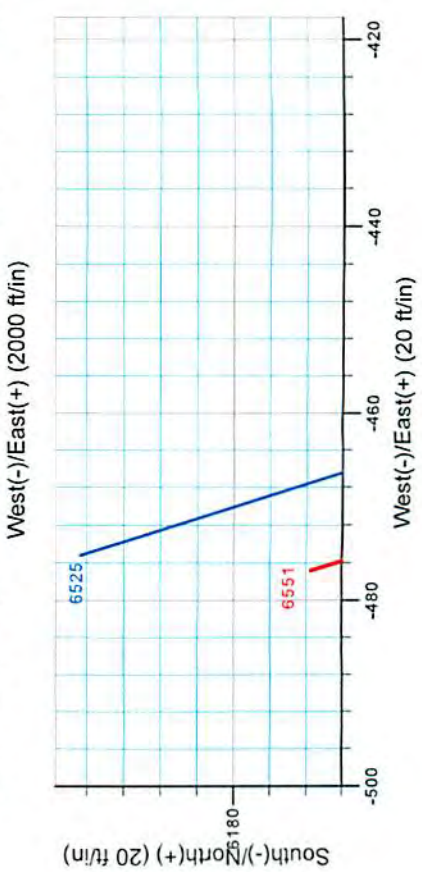
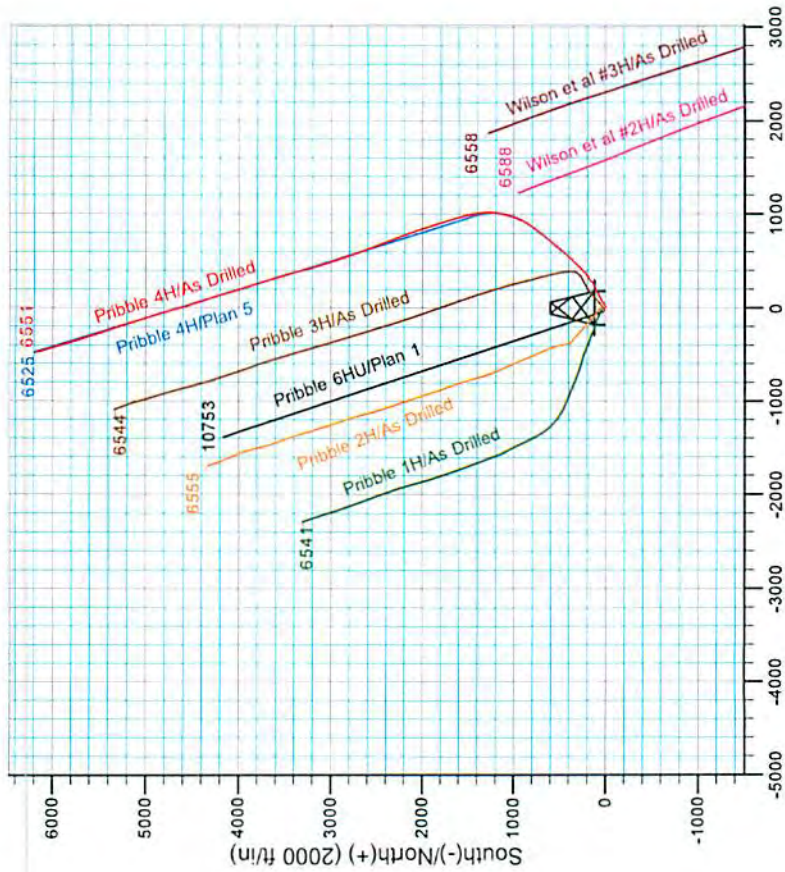
Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: West Virginia North 4701  
 System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	5637.00	8.87	67.09	5611.74	184.80	321.98	0.00	0.00	159.64	
2	5609.00	8.87	67.09	5672.99	188.52	310.78	0.00	0.00	162.68	
3	6864.50	77.60	37.53	6476.19	745.82	822.93	6.00	-30.86	680.74	
4	6929.70	77.60	37.53	6480.19	796.32	861.72	0.00	0.00	728.12	
5	7624.81	90.50	343.00	6568.00	1450.00	976.00	8.00	-80.72	1371.16	Pribble 4H LP?
6	12587.81	90.50	343.00	6524.69	6196.00	-475.00	0.00	0.00	6214.18	Pribble 4H_BHLL2



- LEGEND**
- Wilson et al #2H, Original Hole, As Drilled VO
  - Wilson et al #2H, Original Hole, Plan #2 VO
  - Wilson et al #3H, Original Hole, As Drilled VO
  - Wilson et al #3H, Original Hole, Plan #2 VO
  - Pribble 6HU, Lateral, Plan 1 VO
  - Pribble 3H, OH, As Drilled VO
  - Pribble 2H, OH, As Drilled VO
  - Pribble 1H, OH, As Drilled VO
  - Pribble 4H, OH, Plan 5 VO
  - As-Drilled



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10/23/2015



## Stone Energy

Mary Prospect  
Pribble Pad  
Pribble 4H

OH

Design: As Drilled

## Standard Survey Report

29 April, 2014



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Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well Pribble 4H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Site:</b>	Pribble Pad	<b>MD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Well:</b>	Pribble 4H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	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>	Pribble Pad				
<b>Site Position:</b>		<b>Northing:</b>	436,596.00 usft	<b>Latitude:</b>	39° 41' 28.366 N
<b>From:</b>	Map	<b>Easting:</b>	1,628,521.00 usft	<b>Longitude:</b>	80° 49' 12.370 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.84 °

<b>Well</b>	Pribble 4H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	436,542.00 usft	<b>Latitude:</b>	39° 41' 27.836 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	1,628,548.00 usft	<b>Longitude:</b>	80° 49' 12.014 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	1,320.00 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>
	IGRF2010	2/21/2013	-8.49	67.25	52,662
	IGRF2010	8/9/2013	-8.50	67.21	52,605
	BGGM2013	3/3/2014	-8.56	67.18	52,490
	BGGM2013	3/28/2014	-8.57	67.18	52,481

<b>Design</b>	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		355.62

<b>Survey Program</b>	<b>Date</b>	4/29/2014			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
103.00	2,457.00	Survey 1 - SDI Gyro (OH)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
2,602.00	12,570.00	Survey 2 - 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	
103.00	0.21	341.30	103.00	0.18	-0.06	0.18	0.20	0.20	0.00	
<b>First SDI Gyro Survey</b>										
203.00	0.30	16.54	203.00	0.60	-0.04	0.60	0.18	0.09	35.24	
303.00	0.10	87.70	303.00	0.86	0.12	0.85	0.28	-0.20	71.16	
403.00	0.12	262.66	403.00	0.85	0.10	0.84	0.22	0.02	174.96	

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Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well Pribble 4H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Site:</b>	Pribble Pad	<b>MD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Well:</b>	Pribble 4H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	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)	
503.00	0.14	357.32	503.00	0.96	-0.01	0.95	0.19	0.02	94.66	
603.00	0.25	7.97	603.00	1.29	0.02	1.29	0.12	0.11	10.65	
703.00	0.15	53.06	703.00	1.59	-0.15	1.57	0.18	-0.10	45.09	
803.00	0.02	245.27	803.00	1.66	0.24	1.64	0.17	-0.13	-167.79	
903.00	0.21	349.63	903.00	1.83	0.19	1.81	0.22	0.19	104.36	
1,003.00	0.28	50.64	1,003.00	2.17	0.35	2.14	0.26	0.07	61.01	
1,103.00	0.30	163.67	1,103.00	2.07	0.61	2.02	0.48	0.02	113.03	
1,203.00	0.20	225.48	1,203.00	1.70	0.56	1.65	0.27	-0.10	61.81	
1,303.00	0.17	128.14	1,303.00	1.49	0.55	1.44	0.28	-0.03	-97.34	
1,322.95	0.39	178.61	1,322.95	1.40	0.57	1.35	1.56	1.10	252.98	
1,403.00	0.16	237.25	1,403.00	1.07	0.49	1.03	0.42	-0.29	73.25	
1,503.00	0.03	104.76	1,503.00	0.98	0.40	0.95	0.18	-0.13	-132.49	
1,603.00	0.17	93.17	1,603.00	0.97	0.57	0.92	0.14	0.14	-11.59	
1,703.00	0.26	111.22	1,703.00	0.88	0.93	0.81	0.11	0.09	18.05	
1,720.00	0.24	118.38	1,720.00	0.85	1.00	0.77	0.22	-0.12	-42.12	
1,803.00	0.15	107.44	1,802.99	0.73	1.25	0.63	0.12	-0.11	-13.18	
1,903.00	0.23	77.32	1,902.99	0.74	1.57	0.62	0.13	0.08	-30.12	
2,003.00	0.23	106.38	2,002.99	0.72	1.96	0.57	0.12	0.00	29.06	
2,023.00	0.20	119.20	2,022.99	0.70	2.03	0.54	0.28	-0.15	64.10	
2,103.00	0.40	35.07	2,102.99	0.86	2.31	0.68	0.54	0.25	-105.16	
2,203.00	0.34	347.98	2,202.99	1.43	2.45	1.24	0.30	-0.06	-47.09	
2,303.00	0.38	233.83	2,302.99	1.53	2.12	1.36	0.60	0.04	-114.15	
2,403.00	0.55	323.12	2,402.99	1.72	1.57	1.59	0.66	0.17	89.29	
2,457.00	0.63	314.14	2,456.98	2.13	1.20	2.03	0.23	0.15	-16.63	
<b>Last SDI Gyro Survey</b>										
2,602.00	1.76	181.26	2,601.96	0.46	0.58	0.41	1.54	0.78	-91.64	
<b>First SDI MWD Survey</b>										
2,634.00	2.00	174.12	2,633.94	-0.59	0.62	-0.63	1.05	0.75	-22.31	
2,666.00	2.55	152.46	2,665.92	-1.77	1.01	-1.85	3.16	1.72	-67.69	
2,757.00	3.47	105.71	2,756.81	-4.32	4.60	-4.65	2.78	1.01	-51.37	
2,851.00	4.34	72.61	2,850.60	-4.02	10.73	-4.83	2.53	0.93	-35.21	
2,944.00	5.48	54.85	2,943.26	-0.41	17.72	-1.77	2.03	1.23	-19.10	
3,037.00	5.41	48.99	3,035.84	5.02	24.66	3.12	0.60	-0.08	-6.30	
3,130.00	5.79	58.72	3,128.40	10.33	31.98	7.86	1.10	0.41	10.46	
3,225.00	7.24	57.38	3,222.78	16.05	41.11	12.86	1.53	1.53	-1.41	
3,320.00	7.57	52.95	3,316.99	23.04	51.15	19.07	0.69	0.35	-4.66	
3,411.00	7.40	47.93	3,407.22	30.58	60.29	25.88	0.74	-0.19	-5.52	
3,504.00	6.91	58.16	3,499.50	37.55	69.48	32.13	1.47	-0.53	11.00	
3,597.00	7.10	70.21	3,591.81	42.44	79.65	36.23	1.59	0.20	12.96	
3,688.00	7.33	69.68	3,682.09	46.36	90.38	39.32	0.26	0.25	-0.58	
3,779.00	7.19	63.03	3,772.36	50.96	100.90	43.10	0.94	-0.15	-7.31	
3,873.00	7.01	60.28	3,865.64	56.47	111.12	47.82	0.41	-0.19	-2.93	
3,965.00	7.07	54.96	3,956.95	62.51	120.64	53.10	0.71	0.07	-5.78	
4,057.00	7.55	57.88	4,048.20	68.97	130.39	58.80	0.66	0.52	3.17	

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Survey Report



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<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Site:</b>	Pribble Pad	<b>MD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Well:</b>	Pribble 4H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	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)	
4,150.00	7.42	55.93	4,140.41	75.59	140.54	64.62	0.31	-0.14	-2.10	
4,245.00	6.66	49.36	4,234.69	82.61	149.80	70.92	1.16	-0.80	-6.92	
4,339.00	7.06	56.99	4,328.02	89.31	158.78	76.91	1.06	0.43	8.12	
4,433.00	8.09	66.30	4,421.20	95.11	169.68	81.87	1.70	1.10	9.90	
4,526.00	7.72	62.69	4,513.32	100.61	181.23	86.46	0.67	-0.40	-3.88	
4,620.00	7.92	67.97	4,606.44	105.94	192.84	90.89	0.79	0.21	5.62	
4,712.00	8.88	68.21	4,697.46	110.95	205.31	94.93	1.04	1.04	0.26	
4,802.00	8.83	70.66	4,786.38	115.82	218.28	98.79	0.42	-0.06	2.72	
4,894.00	8.83	67.23	4,877.29	120.89	231.45	102.84	0.57	0.00	-3.73	
4,984.00	8.45	68.21	4,966.27	126.01	243.96	107.00	0.45	-0.42	1.09	
5,076.00	8.71	62.07	5,057.25	131.79	256.39	111.80	1.03	0.28	-6.67	
5,170.00	8.95	54.17	5,150.13	139.40	268.61	118.46	1.31	0.26	-8.40	
5,262.00	8.92	43.88	5,241.02	148.73	279.35	126.94	1.74	-0.03	-11.18	
5,356.00	8.72	38.60	5,333.91	159.55	288.85	137.01	0.89	-0.21	-5.62	
5,449.00	8.44	46.45	5,425.88	169.77	298.20	146.48	1.29	-0.30	8.44	
5,544.00	8.70	58.48	5,519.82	178.33	309.37	154.16	1.90	0.27	12.66	
5,637.00	8.87	67.09	5,611.74	184.80	321.98	159.64	1.42	0.18	9.26	
5,661.00	8.54	66.15	5,635.46	186.24	325.31	160.82	1.50	-1.38	-3.92	
5,693.00	8.93	63.25	5,667.09	188.31	329.70	162.56	1.84	1.22	-9.06	
5,725.00	10.43	58.70	5,698.63	190.94	334.39	164.82	5.26	4.69	-14.22	
5,756.00	11.72	54.45	5,729.06	194.23	339.35	167.72	4.92	4.16	-13.71	
5,788.00	13.44	52.29	5,760.29	198.39	344.94	171.44	5.57	5.38	-6.75	
5,820.00	15.36	51.43	5,791.28	203.31	351.20	175.87	6.04	6.00	-2.69	
5,851.00	17.17	49.83	5,821.04	208.82	357.90	180.85	6.01	5.84	-5.16	
5,883.00	19.08	48.33	5,851.45	215.34	365.42	186.78	6.14	5.97	-4.69	
5,915.00	21.46	47.70	5,881.46	222.76	373.66	193.55	7.47	7.44	-1.97	
5,947.00	23.53	46.81	5,911.03	231.07	382.65	201.15	6.56	6.47	-2.78	
5,979.00	25.51	46.09	5,940.14	240.23	392.27	209.54	6.26	6.19	-2.25	
6,011.00	26.79	46.12	5,968.86	250.00	402.43	218.51	4.00	4.00	0.09	
6,043.00	28.54	45.33	5,997.21	260.38	413.07	228.04	5.59	5.47	-2.47	
6,075.00	30.71	45.20	6,025.02	271.51	424.30	238.28	6.78	6.78	-0.41	
6,107.00	33.08	45.60	6,052.19	283.38	436.34	249.20	7.44	7.41	1.25	
6,138.00	35.31	44.48	6,077.83	295.69	448.66	260.53	7.47	7.19	-3.61	
6,170.00	37.32	44.08	6,103.61	309.26	461.89	273.05	6.32	6.28	-1.25	
6,202.00	39.00	44.06	6,128.77	323.47	475.64	286.16	5.25	5.25	-0.06	
6,233.00	40.28	43.43	6,152.64	337.76	489.32	299.36	4.33	4.13	-2.03	
6,265.00	41.76	43.44	6,176.79	353.01	503.76	313.47	4.63	4.63	0.03	
6,297.00	43.55	43.07	6,200.32	368.80	518.61	328.08	5.65	5.59	-1.16	
6,329.00	45.34	41.75	6,223.16	385.34	533.72	343.42	6.30	5.59	-4.13	
6,360.00	47.29	41.24	6,244.57	402.13	548.57	359.03	6.40	6.29	-1.65	
6,392.00	49.46	39.78	6,265.83	420.32	564.11	375.97	7.59	6.78	-4.56	
6,424.00	51.59	39.86	6,286.17	439.29	579.92	393.68	6.66	6.66	0.25	
6,454.00	53.18	39.43	6,304.48	457.59	595.08	410.76	5.42	5.30	-1.43	

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<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Site:</b>	Pribble Pad	<b>MD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Well:</b>	Pribble 4H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	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)
6,484.00	54.92	39.97	6,322.09	476.27	610.60	428.21	5.98	5.80	1.80
6,515.00	56.71	39.07	6,339.51	496.06	626.91	446.69	6.25	5.77	-2.90
6,545.00	58.72	38.73	6,355.53	515.79	642.84	465.15	6.77	6.70	-1.13
6,576.00	60.23	37.96	6,371.28	536.74	659.40	484.76	5.32	4.87	-2.48
6,606.00	62.28	38.40	6,385.71	557.41	675.66	504.13	6.95	6.83	1.47
6,636.00	64.17	38.11	6,399.22	578.44	692.24	523.84	6.36	6.30	-0.97
6,666.00	65.88	38.84	6,411.89	599.73	709.16	543.77	6.11	5.70	2.43
6,696.00	67.15	38.82	6,423.84	621.17	726.41	563.82	4.23	4.23	-0.07
6,726.00	68.81	39.32	6,435.09	642.76	743.94	584.01	5.74	5.53	1.67
6,757.00	70.77	38.46	6,445.80	665.40	762.21	605.19	6.84	6.32	-2.77
6,787.00	71.98	39.01	6,455.38	687.57	779.99	625.94	4.39	4.03	1.83
6,818.00	73.27	38.36	6,464.64	710.67	798.49	647.55	4.62	4.16	-2.10
6,848.00	74.76	38.02	6,472.90	733.34	816.32	668.79	5.08	4.97	-1.13
6,878.00	75.93	37.72	6,480.49	756.25	834.13	690.27	4.02	3.90	-1.00
6,909.00	76.33	36.83	6,487.92	780.20	852.36	712.76	3.07	1.29	-2.87
6,938.00	77.15	34.10	6,494.57	803.18	868.73	734.43	9.59	2.83	-9.41
6,968.00	77.81	32.26	6,501.08	827.69	884.76	757.64	6.38	2.20	-6.13
6,998.00	78.55	30.12	6,507.22	852.81	899.97	781.53	7.40	2.47	-7.13
7,028.00	79.23	27.98	6,513.00	878.64	914.26	806.09	7.36	2.27	-7.13
7,059.00	80.08	25.11	6,518.57	905.82	927.88	832.25	9.51	2.74	-9.26
7,089.00	80.88	23.31	6,523.53	932.81	940.02	858.22	6.49	2.67	-6.00
7,119.00	81.31	21.81	6,528.18	960.18	951.39	884.65	5.14	1.43	-5.00
7,149.00	81.21	20.08	6,532.74	987.87	961.99	911.45	5.71	-0.33	-5.77
7,179.00	81.29	17.47	6,537.30	1,015.94	971.53	938.70	8.60	0.27	-8.70
7,209.00	81.51	16.05	6,541.79	1,044.34	980.08	966.37	4.74	0.73	-4.73
7,240.00	81.71	13.98	6,546.31	1,073.96	988.03	995.29	6.64	0.65	-6.68
7,270.00	82.21	11.71	6,550.51	1,102.92	994.63	1,023.67	7.68	1.67	-7.57
7,300.00	82.43	10.85	6,554.52	1,132.08	1,000.44	1,052.29	2.93	0.73	-2.87
7,330.00	82.99	8.28	6,558.32	1,161.42	1,005.39	1,081.17	8.70	1.87	-8.57
7,360.00	83.20	7.04	6,561.93	1,190.93	1,009.36	1,110.30	4.16	0.70	-4.13
7,390.00	84.28	4.40	6,565.20	1,220.60	1,012.33	1,139.65	9.46	3.60	-8.80
7,421.00	84.62	2.72	6,568.20	1,251.40	1,014.24	1,170.21	5.50	1.10	-5.42
7,451.00	85.15	359.98	6,570.88	1,281.27	1,014.95	1,199.94	9.27	1.77	-9.13
7,482.00	86.06	357.57	6,573.25	1,312.16	1,014.29	1,230.80	8.29	2.94	-7.77
7,514.00	85.49	355.19	6,575.61	1,344.01	1,012.27	1,262.70	7.63	-1.78	-7.44
7,546.00	85.23	353.22	6,578.20	1,375.74	1,009.05	1,294.59	6.19	-0.81	-6.16
7,577.00	86.07	350.87	6,580.55	1,406.35	1,004.77	1,325.44	8.03	2.71	-7.58
7,609.00	88.05	348.36	6,582.19	1,437.78	999.01	1,357.21	9.98	6.19	-7.84
7,641.00	89.60	347.90	6,582.85	1,469.09	992.43	1,388.93	5.05	4.84	-1.44
7,704.00	88.89	345.64	6,583.68	1,530.41	978.02	1,451.17	3.76	-1.13	-3.59
7,768.00	89.26	344.16	6,584.71	1,592.19	961.35	1,514.05	2.38	0.58	-2.31
7,831.00	89.53	345.18	6,585.38	1,652.94	944.69	1,575.90	1.67	0.43	1.62
7,894.00	89.66	343.74	6,585.82	1,713.64	927.82	1,637.70	2.29	0.21	-2.29
7,958.00	89.23	342.41	6,586.44	1,774.86	909.19	1,700.17	2.18	-0.67	-2.08

103-02833



Scientific Drilling  
Survey Report



<b>Company:</b>	Stone Energy	<b>Local Co-ordinate Reference:</b>	Well Pribble 4H
<b>Project:</b>	Mary Prospect	<b>TVD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Site:</b>	Pribble Pad	<b>MD Reference:</b>	GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Well:</b>	Pribble 4H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	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)
8,021.00	90.34	344.24	6,586.68	1,835.21	891.11	1,761.72	3.40	1.76	2.90
8,085.00	90.94	345.21	6,585.96	1,896.94	874.25	1,824.57	1.78	0.94	1.52
8,148.00	90.44	343.97	6,585.20	1,957.67	857.51	1,886.40	2.12	-0.79	-1.97
8,212.00	90.44	342.20	6,584.71	2,018.90	838.89	1,948.87	2.77	0.00	-2.77
8,275.00	90.47	340.95	6,584.21	2,078.67	818.98	2,009.98	1.98	0.05	-1.98
8,339.00	90.10	340.67	6,583.89	2,139.11	797.94	2,071.86	0.73	-0.58	-0.44
8,402.00	90.71	339.67	6,583.45	2,198.37	776.57	2,132.58	1.86	0.97	-1.59
8,465.00	90.37	339.04	6,582.86	2,257.32	754.36	2,193.06	1.14	-0.54	-1.00
8,529.00	89.76	339.00	6,582.78	2,317.08	731.45	2,254.39	0.96	-0.95	-0.06
8,592.00	89.63	339.06	6,583.12	2,375.91	708.90	2,314.77	0.23	-0.21	0.10
8,656.00	89.46	339.92	6,583.63	2,435.85	686.46	2,376.25	1.37	-0.27	1.34
8,719.00	90.30	339.28	6,583.76	2,494.89	664.52	2,436.80	1.68	1.33	-1.02
8,785.00	90.70	338.48	6,583.18	2,556.46	640.74	2,500.00	1.36	0.61	-1.21
8,849.00	90.70	339.15	6,582.40	2,616.13	617.61	2,561.26	1.05	0.00	1.05
8,911.00	90.91	341.89	6,581.53	2,674.57	596.94	2,621.11	4.43	0.34	4.42
8,974.00	90.84	342.69	6,580.57	2,734.57	577.78	2,682.41	1.27	-0.11	1.27
9,037.00	90.27	342.81	6,579.96	2,794.74	559.10	2,743.82	0.92	-0.90	0.19
9,100.00	90.23	342.92	6,579.68	2,854.94	540.54	2,805.27	0.19	-0.06	0.17
9,163.00	90.20	341.91	6,579.45	2,915.00	521.50	2,866.60	1.60	-0.05	-1.60
9,227.00	90.57	341.41	6,579.02	2,975.74	501.36	2,928.71	0.97	0.58	-0.78
9,290.00	89.80	340.87	6,578.81	3,035.36	481.00	2,989.71	1.49	-1.22	-0.86
9,354.00	89.63	342.73	6,579.13	3,096.15	461.01	3,051.86	2.92	-0.27	2.91
9,417.00	90.37	344.95	6,579.13	3,156.66	443.48	3,113.53	3.71	1.17	3.52
9,480.00	91.24	346.31	6,578.25	3,217.68	427.85	3,175.56	2.56	1.38	2.16
9,544.00	90.70	345.47	6,577.16	3,279.74	412.25	3,238.63	1.56	-0.84	-1.31
9,607.00	90.30	344.53	6,576.61	3,340.59	395.94	3,300.55	1.62	-0.63	-1.49
9,670.00	89.77	344.14	6,576.57	3,401.25	378.93	3,362.34	1.04	-0.84	-0.62
9,734.00	89.50	344.11	6,576.98	3,462.81	361.42	3,425.05	0.42	-0.42	-0.05
9,797.00	91.21	344.20	6,576.59	3,523.41	344.22	3,486.79	2.72	2.71	0.14
9,860.00	92.15	344.01	6,574.74	3,583.98	326.98	3,548.50	1.52	1.49	-0.30
9,924.00	91.61	343.39	6,572.64	3,645.37	309.02	3,611.08	1.28	-0.84	-0.97
9,988.00	91.44	343.48	6,570.94	3,706.69	290.78	3,673.62	0.30	-0.27	0.14
10,049.00	90.97	343.43	6,569.66	3,765.15	273.42	3,733.24	0.77	-0.77	-0.08
10,112.00	90.30	342.25	6,568.96	3,825.34	254.83	3,794.67	2.15	-1.06	-1.87
10,176.00	89.90	341.20	6,568.85	3,886.11	234.76	3,856.80	1.76	-0.63	-1.64
10,239.00	90.34	342.30	6,568.72	3,945.94	215.03	3,917.96	1.88	0.70	1.75
10,303.00	91.11	343.80	6,567.91	4,007.16	196.38	3,980.42	2.63	1.20	2.34
10,366.00	90.30	343.84	6,567.13	4,067.66	178.82	4,042.09	1.29	-1.29	0.06
10,430.00	89.87	343.52	6,567.04	4,129.08	160.84	4,104.70	0.84	-0.67	-0.50
10,494.00	90.23	342.36	6,566.98	4,190.26	142.06	4,167.14	1.90	0.56	-1.81
10,557.00	90.60	341.25	6,566.52	4,250.11	122.39	4,228.32	1.86	0.59	-1.76
10,621.00	90.03	341.76	6,566.17	4,310.80	102.09	4,290.38	1.20	-0.89	0.80
10,683.00	89.40	342.07	6,566.48	4,369.74	82.84	4,350.62	1.13	-1.02	0.50

103-02833



Scientific Drilling  
Survey Report



<b>Company:</b> Stone Energy	<b>Local Co-ordinate Reference:</b> Well Pribble 4H
<b>Project:</b> Mary Prospect	<b>TVD Reference:</b> GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Site:</b> Pribble Pad	<b>MD Reference:</b> GL 1320' & KB 18' @ 1338.00ft (Saxon 141)
<b>Well:</b> Pribble 4H	<b>North Reference:</b> Grid
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> 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)
10,747.00	90.07	343.03	6,566.78	4,430.79	63.65	4,412.96	1.83	1.05	1.50
10,811.00	90.40	342.41	6,566.51	4,491.90	44.64	4,475.35	1.10	0.52	-0.97
10,874.00	90.67	342.50	6,565.93	4,551.97	25.65	4,536.69	0.45	0.43	0.14
10,938.00	90.57	343.78	6,565.23	4,613.21	7.09	4,599.17	2.01	-0.16	2.00
11,001.00	90.54	344.64	6,564.62	4,673.83	-10.05	4,660.92	1.37	-0.05	1.37
11,065.00	89.83	343.86	6,564.42	4,735.43	-27.42	4,723.67	1.65	-1.11	-1.22
11,128.00	89.30	343.48	6,564.90	4,795.88	-45.14	4,785.30	1.04	-0.84	-0.60
11,192.00	89.53	342.90	6,565.55	4,857.14	-63.64	4,847.80	0.97	0.36	-0.91
11,255.00	90.37	342.75	6,565.60	4,917.33	-82.25	4,909.23	1.35	1.33	-0.24
11,319.00	90.94	342.78	6,564.87	4,978.46	-101.21	4,971.63	0.89	0.89	0.05
11,383.00	90.87	341.89	6,563.86	5,039.43	-120.63	5,033.91	1.39	-0.11	-1.39
11,446.00	90.10	341.03	6,563.33	5,099.16	-140.66	5,094.99	1.83	-1.22	-1.37
11,510.00	90.47	341.17	6,563.01	5,159.71	-161.39	5,156.95	0.62	0.58	0.22
11,573.00	90.77	341.40	6,562.33	5,219.37	-181.60	5,217.98	0.60	0.48	0.37
11,637.00	91.07	340.72	6,561.30	5,279.90	-202.37	5,279.92	1.16	0.47	-1.06
11,700.00	90.57	341.41	6,560.40	5,339.48	-222.81	5,340.89	1.35	-0.79	1.10
11,764.00	90.34	342.01	6,559.89	5,400.25	-242.90	5,403.01	1.00	-0.36	0.94
11,828.00	89.33	342.28	6,560.07	5,461.16	-262.52	5,465.25	1.63	-1.58	0.42
11,891.00	89.56	342.12	6,560.68	5,521.14	-281.78	5,526.53	0.44	0.37	-0.25
11,954.00	90.60	343.20	6,560.60	5,581.28	-300.55	5,587.92	2.38	1.65	1.71
12,018.00	90.40	343.32	6,560.04	5,642.56	-318.99	5,650.44	0.36	-0.31	0.19
12,081.00	90.34	344.18	6,559.63	5,703.05	-336.61	5,712.09	1.37	-0.10	1.37
12,145.00	90.84	343.82	6,558.97	5,764.56	-354.25	5,774.78	0.96	0.78	-0.56
12,208.00	91.44	343.34	6,557.72	5,824.98	-372.06	5,836.38	1.22	0.95	-0.76
12,272.00	91.14	343.23	6,556.28	5,886.26	-390.46	5,898.89	0.50	-0.47	-0.17
12,335.00	90.74	343.17	6,555.24	5,946.56	-408.67	5,960.40	0.64	-0.63	-0.10
12,399.00	91.41	342.97	6,554.04	6,007.78	-427.30	6,022.87	1.09	1.05	-0.31
12,462.00	90.97	342.64	6,552.74	6,067.95	-445.92	6,084.28	0.87	-0.70	-0.52
12,512.00	90.57	343.57	6,552.06	6,115.79	-460.45	6,133.09	2.02	-0.80	1.86
<b>Last SDI MWD Survey</b>									
12,570.00	90.57	343.57	6,551.49	6,171.42	-476.86	6,189.81	0.00	0.00	0.00
<b>Projection to Bit</b>									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
103.00	103.00	0.18	-0.06	First SDI Gyro Survey
2,457.00	2,456.98	2.13	1.20	Last SDI Gyro Survey
2,602.00	2,601.96	0.46	0.58	First SDI MWD Survey
12,512.00	6,552.06	6,115.79	-460.45	Last SDI MWD Survey
12,570.00	6,551.49	6,171.42	-476.86	Projection to Bit