

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 323-27	Wellbore No.	
Well Name	SG 323-27	Common Name	SG 323-27
Project	SG 27-07S-096W	Site	SG 24-27 Pad
Vertical Section Azimuth	340.89 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	4/27/2012	UWI	SG 323-27
Active Datum	KB @5,038.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	
Date Started	4/27/2012	Ended	
Tool Name	MWD	Engineer	

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.00	0.00	0.00

2.1.2 Survey Stations

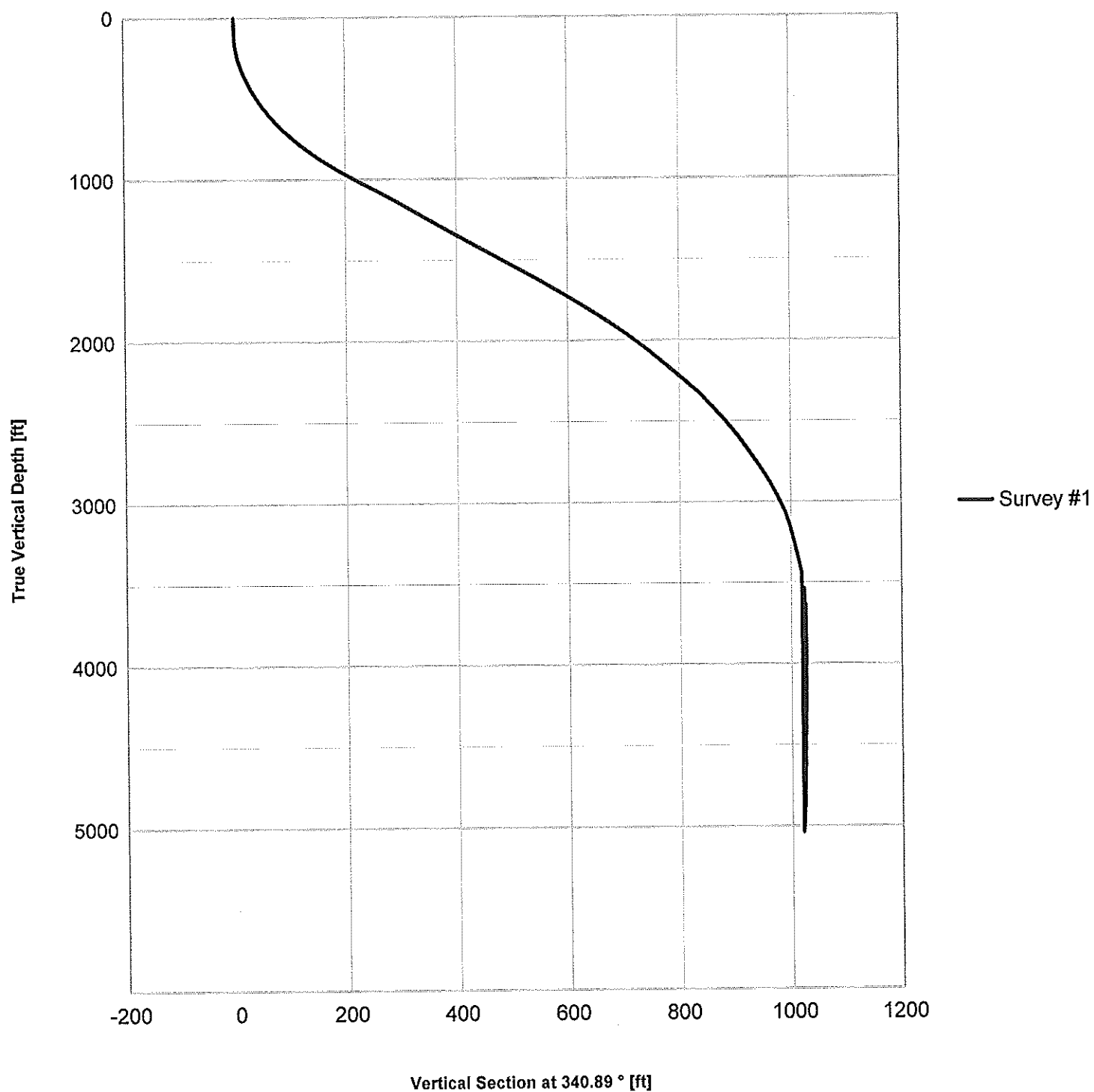
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
4/27/2012	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4/27/2012	NORMAL	73.0	0.09	78.93	73.00	0.01	0.06	-0.01	0.12	0.12	0.00	78.93
	NORMAL	168.0	2.11	341.10	167.98	1.68	-0.44	1.73	2.24	2.13	-102.98	259.77
	NORMAL	260.0	4.93	337.15	259.80	6.93	-2.52	7.37	3.07	3.07	-4.29	353.11
	NORMAL	351.0	7.39	337.68	350.26	15.95	-6.26	17.12	2.70	2.70	0.58	1.59
	NORMAL	442.0	9.15	341.10	440.31	28.21	-10.83	30.20	2.01	1.93	3.76	17.31
	NORMAL	532.0	11.52	340.93	528.85	43.47	-16.08	46.34	2.63	2.63	-0.19	359.18
	NORMAL	624.0	14.34	341.19	618.51	62.94	-22.76	66.93	3.07	3.07	0.28	1.31
	NORMAL	699.0	16.64	341.31	690.78	81.91	-29.20	86.95	3.07	3.07	0.16	0.86
	NORMAL	791.0	20.05	339.51	778.09	109.17	-38.94	115.90	3.76	3.71	-1.96	349.71
	NORMAL	882.0	23.48	340.74	862.59	140.90	-50.39	149.63	3.80	3.77	1.35	8.15
	NORMAL	974.0	26.20	339.86	946.07	177.28	-63.43	188.27	2.98	2.96	-0.96	351.86
	NORMAL	1,069.0	29.72	340.83	1,029.97	219.23	-78.38	232.81	3.74	3.71	1.02	7.79
	NORMAL	1,110.0	29.90	340.56	1,065.54	238.46	-85.12	253.19	0.55	0.44	-0.66	323.17
4/28/2012	NORMAL	1,193.0	26.82	341.15	1,138.57	275.70	-98.06	292.61	3.73	-3.71	0.71	175.06
	NORMAL	1,256.0	26.55	339.84	1,194.86	302.37	-107.51	320.90	1.03	-0.43	-2.08	244.76
	NORMAL	1,351.0	27.84	342.10	1,279.36	343.41	-121.64	364.31	1.74	1.36	2.38	39.69
	NORMAL	1,447.0	27.70	341.39	1,364.31	385.89	-135.65	409.03	0.37	-0.15	-0.74	246.75
	NORMAL	1,542.0	27.96	340.27	1,448.32	427.77	-150.22	453.38	0.61	0.27	-1.18	295.94
	NORMAL	1,637.0	28.31	338.65	1,532.09	469.72	-165.94	498.16	0.88	0.37	-1.71	293.90
	NORMAL	1,732.0	27.73	340.35	1,615.96	511.52	-181.57	542.77	1.04	-0.61	1.79	126.74

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (%/100ft)	Build Rate (%/100ft)	Turn (%/100ft)	TFace (°)
4/28/2012	NORMAL	1,827.0	26.63	338.58	1,700.47	552.15	-196.78	586.15	1.44	-1.16	-1.86	215.53
	NORMAL	1,922.0	25.30	338.42	1,785.88	590.85	-212.02	627.70	1.40	-1.40	-0.17	182.94
	NORMAL	2,018.0	23.86	339.72	1,873.18	628.14	-226.30	667.61	1.60	-1.50	1.35	160.01
	NORMAL	2,113.0	22.47	343.49	1,960.52	663.57	-238.12	704.96	2.14	-1.46	3.97	134.87
	NORMAL	2,208.0	20.49	344.20	2,048.92	696.98	-247.80	739.70	2.10	-2.08	0.75	172.85
	NORMAL	2,303.0	18.91	342.52	2,138.36	727.67	-256.96	771.69	1.77	-1.66	-1.77	198.93
	NORMAL	2,397.0	19.10	341.64	2,227.23	756.79	-266.38	802.29	0.37	0.20	-0.94	303.13
	NORMAL	2,491.0	17.39	341.12	2,316.50	784.68	-275.77	831.72	1.83	-1.82	-0.55	185.19
	NORMAL	2,587.0	15.22	342.33	2,408.64	810.27	-284.23	858.67	2.29	-2.26	1.26	171.68
	NORMAL	2,682.0	14.11	341.66	2,500.54	833.14	-291.66	882.71	1.18	-1.17	-0.71	188.36
	NORMAL	2,777.0	12.68	340.74	2,592.95	853.97	-298.75	904.72	1.52	-1.51	-0.97	188.03
	NORMAL	2,873.0	11.44	343.28	2,686.83	873.04	-304.96	924.77	1.40	-1.29	2.65	158.07
	NORMAL	2,968.0	11.17	340.58	2,779.99	890.74	-310.73	943.38	0.63	-0.28	-2.84	241.65
	NORMAL	3,063.0	10.15	342.27	2,873.35	907.39	-316.34	960.95	1.12	-1.07	1.78	163.79
4/29/2012	NORMAL	3,159.0	8.74	344.65	2,968.05	922.48	-320.85	976.69	1.52	-1.47	2.48	165.69
	NORMAL	3,253.0	6.95	347.66	3,061.16	934.93	-323.95	989.46	1.95	-1.90	3.20	168.56
	NORMAL	3,349.0	4.63	353.89	3,156.67	944.46	-325.61	999.01	2.50	-2.42	6.49	167.93
	NORMAL	3,444.0	4.38	353.72	3,251.38	951.87	-326.41	1,006.28	0.26	-0.26	-0.18	182.97
	NORMAL	3,539.0	4.11	354.12	3,346.12	958.87	-327.16	1,013.13	0.29	-0.28	0.42	173.94
	NORMAL	3,634.0	3.67	350.79	3,440.90	965.25	-327.99	1,019.44	0.52	-0.46	-3.51	205.52
	NORMAL	3,729.0	1.86	1.71	3,535.78	969.80	-328.43	1,023.88	1.98	-1.91	11.49	169.18
	NORMAL	3,825.0	0.67	21.48	3,631.76	971.88	-328.18	1,025.76	1.30	-1.24	20.59	169.56
	NORMAL	3,920.0	0.26	355.42	3,726.75	972.61	-327.99	1,026.39	0.47	-0.43	-27.43	194.67
	NORMAL	4,015.0	0.17	289.87	3,821.75	972.87	-328.14	1,026.69	0.26	-0.09	-69.00	219.22
	NORMAL	4,111.0	0.20	249.37	3,917.75	972.86	-328.44	1,026.77	0.14	0.03	-42.19	262.15
	NORMAL	4,206.0	0.26	200.73	4,012.75	972.60	-328.67	1,026.60	0.21	0.06	-51.20	261.78
	NORMAL	4,301.0	0.30	218.23	4,107.75	972.20	-328.90	1,026.30	0.10	0.04	18.42	73.85
	NORMAL	4,396.0	0.53	244.35	4,202.75	971.82	-329.45	1,026.12	0.31	0.24	27.49	52.99
	NORMAL	4,491.0	0.92	236.64	4,297.74	971.21	-330.48	1,025.88	0.42	0.41	-8.12	342.08
	NORMAL	4,586.0	0.40	130.59	4,392.74	970.57	-330.87	1,025.41	1.16	-0.55	-111.63	200.46
	NORMAL	4,681.0	0.64	87.09	4,487.73	970.38	-330.08	1,024.97	0.47	0.25	-45.79	278.30
	NORMAL	4,777.0	0.56	91.39	4,583.73	970.40	-329.08	1,024.66	0.10	-0.08	4.48	152.77
4/30/2012	NORMAL	4,872.0	0.55	83.54	4,678.72	970.44	-328.16	1,024.40	0.08	-0.01	-8.26	258.59
	NORMAL	4,967.0	0.45	169.08	4,773.72	970.13	-327.64	1,023.93	0.72	-0.11	90.04	138.94
	NORMAL	5,063.0	0.88	195.28	4,869.71	969.04	-327.76	1,022.95	0.54	0.45	27.29	48.84
	NORMAL	5,158.0	1.23	204.11	4,964.70	967.41	-328.37	1,021.60	0.41	0.37	9.29	29.37
	NORMAL	5,230.0	1.23	204.11	5,036.68	966.00	-329.00	1,020.47	0.00	0.00	0.00	0.00

3 Charts

3.1 Vertical Section View



3.2 Plan View

