

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 342-27	Wellbore No.	
Well Name	SG 342-27	Common Name	SG 342-27
Project	SG 27-07S-096W	Site	SG 43-27 Pad
Vertical Section Azimuth	347.37 (°)	North Reference	
Origin N/S		Origin E/W	
Spud Date	10/26/2011	UWI	SG 342-27
Active Datum	KB @5,042.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	
Started	10/26/2011	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)	DLeg (°/100ft)	Bulld (°/100ft)	Turn (°/100ft)	TFace (°)
10/26/2011	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/26/2011	NORMAL	151.0	0.70	336.60	151.00	0.85	-0.37	0.91	0.46	0.46	0.00	336.60
	NORMAL	243.0	2.20	338.40	242.96	3.00	-1.24	3.20	1.63	1.63	1.96	2.64
10/27/2011	NORMAL	335.0	5.00	350.70	334.77	8.60	-2.54	8.95	3.14	3.04	13.37	21.62
	NORMAL	426.0	8.40	345.10	425.14	18.94	-4.89	19.55	3.80	3.74	-6.15	346.33
	NORMAL	517.0	11.60	347.30	514.75	34.30	-8.61	35.35	3.54	3.52	2.42	7.89
	NORMAL	608.0	13.40	346.30	603.59	53.47	-13.12	55.04	1.99	1.98	-1.10	352.65
	NORMAL	699.0	15.00	347.20	691.80	75.20	-18.23	77.36	1.77	1.76	0.99	8.29
	NORMAL	791.0	16.30	347.20	780.39	99.40	-23.72	102.18	1.41	1.41	0.00	0.00
	NORMAL	882.0	18.50	348.70	867.22	126.01	-29.38	129.39	2.47	2.42	1.65	12.24
	NORMAL	974.0	20.40	348.60	953.97	156.05	-35.41	160.01	2.07	2.07	-0.11	358.95
	NORMAL	1,068.0	23.00	347.30	1,041.30	190.03	-42.69	194.76	2.81	2.77	-1.38	348.92
	NORMAL	1,150.0	24.30	346.30	1,116.41	222.05	-50.21	227.65	1.66	1.59	-1.22	342.39
10/28/2011	NORMAL	1,068.0	23.00	347.30	1,041.30	190.03	-42.69	194.76	2.81	2.77	-1.38	348.92
	NORMAL	1,150.0	24.30	346.30	1,116.41	222.05	-50.21	227.65	1.66	1.59	-1.22	342.39
	NORMAL	1,254.0	23.90	344.00	1,211.35	263.09	-61.08	270.08	0.98	-0.38	-2.21	245.88
	NORMAL	1,349.0	26.80	346.10	1,297.19	302.39	-71.53	310.71	3.20	3.05	2.21	18.18
	NORMAL	1,443.0	27.50	347.70	1,380.84	344.16	-81.25	353.60	1.08	0.74	1.70	46.92
	NORMAL	1,537.0	27.70	347.70	1,464.14	386.71	-90.53	397.15	0.21	0.21	0.00	0.00
	NORMAL	1,631.0	28.00	345.40	1,547.25	429.41	-100.74	441.05	1.19	0.32	-2.45	284.58
	NORMAL	1,725.0	27.20	348.20	1,630.56	471.80	-110.70	484.59	1.62	-0.85	2.98	122.90

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
10/28/2011	NORMAL	1,820.0	27.40	347.70	1,714.98	514.41	-119.80	528.16	0.32	0.21	-0.53	310.87
	NORMAL	1,914.0	26.70	347.90	1,798.69	556.19	-128.83	570.90	0.75	-0.74	0.21	172.69
	NORMAL	2,008.0	26.40	347.90	1,882.78	597.27	-137.64	612.92	0.32	-0.32	0.00	180.00
	NORMAL	2,102.0	24.40	347.00	1,967.69	636.63	-146.39	653.23	2.17	-2.13	-0.96	190.52
	NORMAL	2,196.0	22.80	347.20	2,053.83	673.31	-154.79	690.86	1.70	-1.70	0.21	177.23
	NORMAL	2,322.0	20.20	346.10	2,171.05	718.24	-165.43	737.03	2.09	-2.06	-0.87	188.30
	NORMAL	2,398.0	19.20	350.50	2,242.60	743.31	-170.64	762.63	2.35	-1.32	5.79	126.05
10/29/2011	NORMAL	2,479.0	18.70	350.50	2,319.21	769.25	-174.98	788.90	0.62	-0.62	0.00	180.00
	NORMAL	2,573.0	16.80	349.60	2,408.74	797.48	-179.92	817.52	2.04	-2.02	-0.96	187.79
	NORMAL	2,668.0	15.90	348.90	2,499.89	823.75	-184.91	844.25	0.97	-0.95	-0.74	192.01
	NORMAL	2,762.0	14.50	347.50	2,590.60	847.88	-189.93	868.89	1.54	-1.49	-1.49	194.02
	NORMAL	2,856.0	13.40	345.80	2,681.83	869.93	-195.15	891.55	1.25	-1.17	-1.81	199.61
	NORMAL	2,950.0	12.40	346.40	2,773.46	890.29	-200.20	912.53	1.07	-1.06	0.64	172.66
	NORMAL	3,044.0	11.20	351.70	2,865.47	909.14	-203.89	931.72	1.72	-1.28	5.64	140.49
	NORMAL	3,138.0	10.40	349.60	2,957.80	926.52	-206.74	949.30	0.95	-0.85	-2.23	205.16
	NORMAL	3,232.0	9.00	351.90	3,050.46	942.14	-209.31	965.11	1.55	-1.49	2.45	165.66
	NORMAL	3,327.0	6.90	348.00	3,144.54	955.08	-211.54	978.23	2.28	-2.21	-4.11	192.48
	NORMAL	3,421.0	5.70	346.10	3,237.97	965.14	-213.83	988.54	1.30	-1.28	-2.02	188.91
	NORMAL	3,515.0	4.60	351.90	3,331.59	973.40	-215.49	996.96	1.29	-1.17	6.17	157.54
	NORMAL	3,609.0	2.90	341.40	3,425.39	979.39	-216.78	1,003.09	1.94	-1.81	-11.17	196.81
	NORMAL	3,703.0	2.30	349.80	3,519.29	983.50	-217.87	1,007.34	0.75	-0.64	8.94	151.73
	NORMAL	3,797.0	2.40	28.60	3,613.22	987.08	-217.26	1,010.70	1.66	0.11	41.28	105.93
	NORMAL	3,892.0	2.30	46.40	3,708.14	990.14	-214.93	1,013.18	0.77	-0.11	18.74	106.63
	NORMAL	3,986.0	2.00	27.20	3,802.07	992.90	-212.81	1,015.41	0.83	-0.32	-20.43	237.99
10/30/2011	NORMAL	4,080.0	1.30	21.30	3,896.04	995.35	-211.68	1,017.55	0.77	-0.74	-6.28	190.70
	NORMAL	4,174.0	1.20	19.50	3,990.01	997.28	-210.96	1,019.27	0.11	-0.11	-1.91	200.54
	NORMAL	4,268.0	1.10	5.80	4,083.99	999.10	-210.54	1,020.96	0.31	-0.11	-14.57	243.25
	NORMAL	4,362.0	0.70	8.80	4,177.98	1,000.57	-210.36	1,022.35	0.43	-0.43	3.19	174.78
	NORMAL	4,457.0	0.70	7.50	4,272.98	1,001.71	-210.20	1,023.44	0.02	0.00	-1.37	269.35
	NORMAL	4,551.0	0.50	322.00	4,366.97	1,002.61	-210.37	1,024.35	0.53	-0.21	-48.40	225.58
	NORMAL	4,645.0	0.60	289.90	4,460.97	1,003.10	-211.09	1,024.98	0.34	0.11	-34.15	271.49
	NORMAL	4,739.0	1.10	255.80	4,554.96	1,003.04	-212.43	1,025.22	0.73	0.53	-36.28	296.75
	NORMAL	4,834.0	1.60	245.40	4,649.93	1,002.27	-214.52	1,024.92	0.58	0.53	-10.95	328.63
	NORMAL	4,928.0	2.50	231.70	4,743.87	1,000.45	-217.32	1,023.76	1.08	0.96	-14.57	324.47
	NORMAL	5,022.0	3.30	232.20	4,837.75	997.52	-221.07	1,021.72	0.85	0.85	0.53	2.06
	NORMAL	5,117.0	3.30	234.80	4,932.59	994.27	-225.46	1,019.51	0.16	0.00	2.74	91.30
	NORMAL	5,219.0	3.30	232.00	5,034.42	990.77	-230.17	1,017.13	0.16	0.00	-2.75	268.60
	NORMAL	5,264.0	3.30	232.00	5,079.35	989.18	-232.21	1,016.02	0.00	0.00	0.00	0.00