

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 334-27	Wellbore No.	
Well Name	SG 334-27	Common Name	SG 334-27
Project	SG 27-07S-096W	Site	SG 24-27 Pad
Vertical Section Azimuth	99.01 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	5/29/2012	UWI	SG 334-27
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	5/29/2012	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 (°)
5/29/2012	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/2012	NORMAL	72.0	0.26	157.59	72.00	-0.15	0.06	0.09	0.36	0.36	0.00	157.59
	NORMAL	164.0	2.46	101.43	163.97	-0.74	2.08	2.17	2.53	2.39	-61.04	298.51
	NORMAL	255.0	6.16	99.14	254.70	-1.90	8.81	9.00	4.07	4.07	-2.52	356.19
	NORMAL	346.0	11.00	102.39	344.65	-4.54	22.12	22.56	5.34	5.32	3.57	7.33
	NORMAL	437.0	13.46	99.49	433.58	-8.15	41.05	41.82	2.79	2.70	-3.19	344.56
	NORMAL	528.0	15.57	98.79	521.67	-11.76	63.57	64.63	2.33	2.32	-0.77	354.91
	NORMAL	620.0	19.27	100.81	609.44	-16.50	90.69	92.16	4.07	4.02	2.20	10.25
	NORMAL	695.0	22.10	100.50	679.60	-21.39	116.73	118.64	3.78	3.77	-0.41	357.64
	NORMAL	787.0	26.41	99.32	763.45	-27.86	153.95	156.41	4.71	4.68	-1.28	353.04
	NORMAL	877.0	30.45	98.02	842.59	-34.29	196.30	199.25	4.54	4.49	-1.44	350.72
	NORMAL	969.0	34.98	97.80	919.97	-41.12	245.54	248.95	4.93	4.92	-0.24	358.40
	NORMAL	1,064.0	37.12	99.34	996.78	-49.47	300.81	304.85	2.45	2.25	1.62	23.58
	NORMAL	1,160.0	41.08	100.07	1,071.26	-59.69	360.47	365.37	4.15	4.13	0.76	6.92
5/31/2012	NORMAL	1,250.0	41.87	95.99	1,138.71	-68.00	419.47	424.94	3.13	0.88	-4.53	284.76
	NORMAL	1,346.0	40.60	97.64	1,210.90	-75.49	482.30	488.17	1.74	-1.32	1.72	140.04
	NORMAL	1,441.0	40.94	97.80	1,282.85	-83.83	543.77	550.19	0.37	0.36	0.17	17.14
	NORMAL	1,536.0	39.53	98.60	1,355.37	-92.57	604.51	611.55	1.58	-1.48	0.84	160.18
	NORMAL	1,631.0	37.06	99.70	1,429.92	-101.92	662.63	670.41	2.70	-2.60	1.16	165.00
	NORMAL	1,726.0	37.08	99.71	1,505.72	-111.57	719.07	727.67	0.02	0.02	0.01	16.78
	NORMAL	1,821.0	34.56	99.30	1,582.75	-120.76	773.90	783.26	2.66	-2.65	-0.43	185.27

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 (°)
5/31/2012	NORMAL	1,917.0	32.40	98.34	1,662.82	-128.89	826.23	836.22	2.32	-2.25	-1.00	193.38
	NORMAL	2,012.0	30.29	99.25	1,743.95	-136.43	875.06	885.63	2.28	-2.22	0.96	167.74
	NORMAL	2,107.0	28.40	100.30	1,826.75	-144.33	920.94	932.18	2.06	-1.99	1.11	165.23
	NORMAL	2,202.0	25.99	99.24	1,911.25	-151.71	963.72	975.59	2.59	-2.54	-1.12	190.90
	NORMAL	2,297.0	25.60	99.37	1,996.78	-158.39	1,004.52	1,016.93	0.41	-0.41	0.14	171.81
	NORMAL	2,391.0	24.25	99.48	2,082.02	-164.88	1,043.59	1,056.54	1.44	-1.44	0.12	178.08
	NORMAL	2,486.0	21.89	100.10	2,169.42	-171.20	1,080.28	1,093.76	2.50	-2.48	0.65	174.41
	NORMAL	2,581.0	19.84	101.48	2,258.19	-177.51	1,113.51	1,127.57	2.22	-2.16	1.45	167.16
	NORMAL	2,676.0	18.86	100.38	2,347.82	-183.49	1,144.42	1,159.03	1.10	-1.03	-1.16	199.88
	NORMAL	2,772.0	16.52	100.19	2,439.27	-188.70	1,173.12	1,188.19	2.44	-2.44	-0.20	181.32
	NORMAL	2,867.0	15.23	93.21	2,530.66	-191.79	1,198.87	1,214.11	2.42	-1.36	-7.35	232.63
	NORMAL	2,962.0	13.34	97.55	2,622.72	-193.93	1,222.20	1,237.49	2.29	-1.99	4.57	152.55
	NORMAL	3,058.0	11.46	98.27	2,716.47	-196.75	1,242.62	1,258.10	1.96	-1.96	0.75	175.65
	NORMAL	3,153.0	9.01	103.68	2,809.96	-199.87	1,259.19	1,274.95	2.77	-2.58	5.69	161.22
	NORMAL	3,247.0	8.93	104.67	2,902.81	-203.46	1,273.40	1,289.55	0.18	-0.09	1.05	117.88
	NORMAL	3,343.0	8.84	98.52	2,997.66	-206.44	1,287.90	1,304.34	0.99	-0.09	-6.41	261.55
	NORMAL	3,438.0	7.49	100.67	3,091.69	-208.67	1,301.20	1,317.83	1.46	-1.42	2.26	168.32
	NORMAL	3,533.0	5.08	92.54	3,186.12	-210.00	1,311.49	1,328.20	2.70	-2.54	-8.56	196.26
	NORMAL	3,629.0	2.92	80.01	3,281.88	-209.76	1,318.15	1,334.73	2.41	-2.25	-13.05	195.86
	NORMAL	3,724.0	2.90	86.64	3,376.76	-209.20	1,322.93	1,339.37	0.35	-0.02	6.98	96.71
	NORMAL	3,819.0	2.87	91.38	3,471.64	-209.12	1,327.71	1,344.07	0.25	-0.03	4.99	99.53
6/1/2012	NORMAL	3,914.0	1.98	89.72	3,566.55	-209.17	1,331.73	1,348.05	0.94	-0.94	-1.75	183.68
	NORMAL	4,010.0	1.88	82.57	3,662.50	-208.96	1,334.95	1,351.20	0.27	-0.10	-7.45	243.90
	NORMAL	4,105.0	0.50	357.79	3,757.48	-208.34	1,336.47	1,352.61	2.00	-1.45	-89.24	195.19
	NORMAL	4,200.0	0.81	335.31	3,852.47	-207.32	1,336.18	1,352.16	0.42	0.33	-23.66	308.74
	NORMAL	4,296.0	0.09	356.20	3,948.47	-206.63	1,335.89	1,351.77	0.76	-0.75	21.76	177.47
	NORMAL	4,390.0	0.64	191.63	4,042.47	-207.07	1,335.78	1,351.72	0.77	0.59	-175.07	193.54
	NORMAL	4,486.0	0.94	189.86	4,138.46	-208.37	1,335.54	1,351.69	0.31	0.31	-1.84	354.46
	NORMAL	4,581.0	0.72	48.69	4,233.45	-208.74	1,335.85	1,352.06	1.65	-0.23	-148.60	196.74
	NORMAL	4,676.0	0.84	56.19	4,328.44	-207.96	1,336.88	1,352.95	0.17	0.13	7.89	44.18
	NORMAL	4,771.0	0.14	225.90	4,423.44	-207.65	1,337.37	1,353.39	1.03	-0.74	178.64	178.53
	NORMAL	4,866.0	0.57	284.18	4,518.44	-207.62	1,336.83	1,352.85	0.54	0.45	61.35	71.77
	NORMAL	4,962.0	0.68	314.08	4,614.43	-207.10	1,335.96	1,351.91	0.35	0.11	31.15	86.71
	NORMAL	5,057.0	0.43	254.62	4,709.43	-206.81	1,335.21	1,351.12	0.62	-0.26	-62.59	218.75
	NORMAL	5,152.0	0.65	250.85	4,804.42	-207.08	1,334.36	1,350.32	0.23	0.23	-3.97	348.94
	NORMAL	5,248.0	1.11	233.31	4,900.41	-207.81	1,333.10	1,349.19	0.55	0.48	-18.27	320.68
	NORMAL	5,285.0	1.35	244.77	4,937.40	-208.21	1,332.42	1,348.58	0.93	0.65	30.97	51.53
	NORMAL	5,350.0	1.77	264.90	5,002.38	-208.63	1,330.72	1,346.98	1.05	0.65	30.97	62.88