

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

### 1.2 Well Information

Well	SG 14-27	Wellbore No.	
Well Name	SG 14-27	Common Name	SG 14-27
Project	SG 27-07S-096W	Site	SG 24-27 Pad
Vertical Section	274.28 (°)	North Reference	True
Azimuth		Origin E/W	
Spud Date	5/25/2012	UWI	SG 14-27
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	5/25/2012	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 (°)
5/25/2012	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/2012	NORMAL	72.0	0.18	245.57	72.00	-0.05	-0.10	0.10	0.25	0.25	0.00	245.57
	NORMAL	164.0	2.29	276.42	163.97	0.10	-2.06	2.06	2.32	2.29	33.53	33.32
	NORMAL	255.0	4.93	274.39	254.79	0.60	-7.77	7.79	2.90	2.90	-2.23	356.21
	NORMAL	346.0	8.01	274.13	345.19	1.36	-17.99	18.04	3.38	3.38	-0.29	359.33
	NORMAL	437.0	9.85	274.31	435.09	2.40	-32.08	32.17	2.02	2.02	0.20	0.96
	NORMAL	528.0	12.58	275.19	524.34	3.88	-49.71	49.86	3.01	3.00	0.97	4.02
	NORMAL	620.0	15.04	272.99	613.68	5.41	-71.62	71.82	2.73	2.67	-2.39	346.88
	NORMAL	695.0	17.15	275.66	685.73	7.01	-92.34	92.61	2.98	2.81	3.56	20.62
	NORMAL	787.0	19.61	272.93	773.03	9.14	-121.26	121.60	2.83	2.67	-2.97	339.41
	NORMAL	877.0	21.55	271.74	857.29	10.41	-152.87	153.22	2.20	2.16	-1.32	347.27
	NORMAL	938.0	22.27	273.35	913.88	11.43	-175.61	175.97	1.54	1.18	2.64	40.59
5/26/2012	NORMAL	1,060.0	22.38	272.79	1,026.74	13.91	-221.88	222.30	0.20	0.09	-0.46	297.08
	NORMAL	1,156.0	21.37	274.59	1,115.82	16.20	-257.57	258.06	1.26	-1.05	1.88	147.25
	NORMAL	1,251.0	21.58	276.05	1,204.23	19.42	-292.20	292.83	0.60	0.22	1.54	69.23
	NORMAL	1,346.0	22.11	276.24	1,292.41	23.21	-327.34	328.16	0.56	0.56	0.20	7.69
	NORMAL	1,442.0	22.01	276.06	1,381.38	27.07	-363.19	364.20	0.13	-0.10	-0.19	213.98
	NORMAL	1,537.0	21.49	276.23	1,469.62	30.84	-398.19	399.38	0.55	-0.55	0.18	173.17
	NORMAL	1,632.0	21.57	272.61	1,557.99	33.52	-432.94	434.23	1.40	0.08	-3.81	271.76
	NORMAL	1,727.0	21.30	275.19	1,646.42	35.88	-467.57	468.94	1.03	-0.28	2.72	107.18
	NORMAL	1,822.0	20.47	272.91	1,735.18	38.28	-501.34	502.80	1.22	-0.87	-2.40	223.34

## 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 (°)
5/26/2012	NORMAL	1,917.0	19.29	272.15	1,824.52	39.71	-533.61	535.09	1.27	-1.24	-0.80	192.00
	NORMAL	2,013.0	17.72	272.12	1,915.55	40.85	-564.06	565.54	1.64	-1.64	-0.03	180.33
5/27/2012	NORMAL	2,108.0	16.32	272.65	2,006.39	42.00	-591.84	593.33	1.48	-1.47	0.56	173.93
	NORMAL	2,203.0	15.33	278.21	2,097.79	44.41	-617.61	619.20	1.90	-1.04	5.85	125.80
	NORMAL	2,298.0	13.43	275.60	2,189.81	47.28	-641.02	642.76	2.11	-2.00	-2.75	197.58
	NORMAL	2,392.0	13.05	274.92	2,281.32	49.26	-662.46	664.28	0.44	-0.40	-0.72	201.96
	NORMAL	2,486.0	10.90	272.31	2,373.27	50.53	-681.91	683.78	2.36	-2.29	-2.78	192.86
	NORMAL	2,582.0	10.12	272.60	2,467.65	51.27	-699.41	701.28	0.81	-0.81	0.30	176.26
	NORMAL	2,677.0	9.47	272.38	2,561.27	51.98	-715.55	717.44	0.69	-0.68	-0.23	183.19
	NORMAL	2,772.0	8.94	267.65	2,655.05	52.00	-730.74	732.58	0.97	-0.56	-4.98	232.67
	NORMAL	2,868.0	8.06	269.69	2,749.99	51.66	-744.92	746.70	0.97	-0.92	2.13	162.09
	NORMAL	2,963.0	6.79	278.58	2,844.20	52.46	-757.13	758.94	1.80	-1.34	9.36	142.22
	NORMAL	3,058.0	4.75	280.31	2,938.71	54.00	-766.56	768.45	2.15	-2.15	1.82	175.99
	NORMAL	3,153.0	3.49	276.80	3,033.46	55.05	-773.30	775.25	1.35	-1.33	-3.69	189.57
	NORMAL	3,248.0	2.27	287.99	3,128.34	55.97	-777.96	779.97	1.41	-1.28	11.78	160.78
	NORMAL	3,343.0	2.01	283.95	3,223.27	56.95	-781.37	783.44	0.32	-0.27	-4.25	208.12
	NORMAL	3,439.0	1.52	287.08	3,319.23	57.73	-784.22	786.34	0.52	-0.51	3.26	170.43
	NORMAL	3,534.0	1.38	279.63	3,414.20	58.30	-786.55	788.71	0.25	-0.15	-7.84	229.72
	NORMAL	3,629.0	1.16	268.05	3,509.18	58.46	-788.64	790.80	0.35	-0.23	-12.19	223.71
	NORMAL	3,724.0	0.91	249.67	3,604.16	58.16	-790.31	792.44	0.43	-0.26	-19.35	224.07
	NORMAL	3,820.0	1.19	330.91	3,700.15	58.77	-791.51	793.69	1.44	0.29	84.63	121.78
	NORMAL	3,915.0	1.28	352.75	3,795.13	60.68	-792.12	794.44	0.50	0.09	22.99	90.22
	NORMAL	4,010.0	0.75	22.09	3,890.11	62.31	-792.02	794.46	0.76	-0.56	30.88	149.59
	NORMAL	4,106.0	0.47	68.35	3,986.11	63.04	-791.42	793.92	0.57	-0.29	48.19	141.38
	NORMAL	4,201.0	0.40	78.31	4,081.10	63.25	-790.73	793.25	0.11	-0.07	10.48	137.70
	NORMAL	4,296.0	0.50	27.64	4,176.10	63.68	-790.21	792.76	0.42	0.11	-53.34	257.87
	NORMAL	4,391.0	0.55	350.04	4,271.10	64.50	-790.10	792.71	0.36	0.05	-39.58	259.16
	NORMAL	4,486.0	0.24	341.93	4,366.10	65.14	-790.24	792.90	0.33	-0.33	-8.54	186.19
	NORMAL	4,581.0	0.20	344.18	4,461.10	65.48	-790.35	793.03	0.04	-0.04	2.37	168.94
5/28/2012	NORMAL	4,676.0	0.20	217.20	4,556.09	65.51	-790.49	793.18	0.38	0.00	-133.66	206.51
	NORMAL	4,772.0	0.71	129.80	4,652.09	65.00	-790.14	792.79	0.76	0.53	-91.04	256.69
	NORMAL	4,867.0	1.20	166.90	4,747.08	63.65	-789.46	792.01	0.81	0.52	39.05	71.15
	NORMAL	4,962.0	1.49	184.27	4,842.05	61.45	-789.33	791.71	0.52	0.31	18.28	63.47
	NORMAL	5,005.0	1.34	186.02	4,885.04	60.39	-789.42	791.73	0.36	-0.35	4.07	164.80
	NORMAL	5,070.0	1.11	188.67	4,950.03	59.02	-789.60	791.80	0.36	-0.35	4.08	167.48