

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

### 1.2 Well Information

Well	SG 333-23	Wellbore No.	1
Well Name	SG 333-23	Common Name	SG 333-23
Project	SG 23-07S-096W	Site	SG 44-23 Pad
Vertical Section Azimuth	317.44 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	3/8/2013	UWI	SG 333-23
Active Datum	KB @5,051.0ft (above Mean Sea Level)		

## 2 Survey Name

### 2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	Scientific Drilling
Date Started	3/8/2013	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

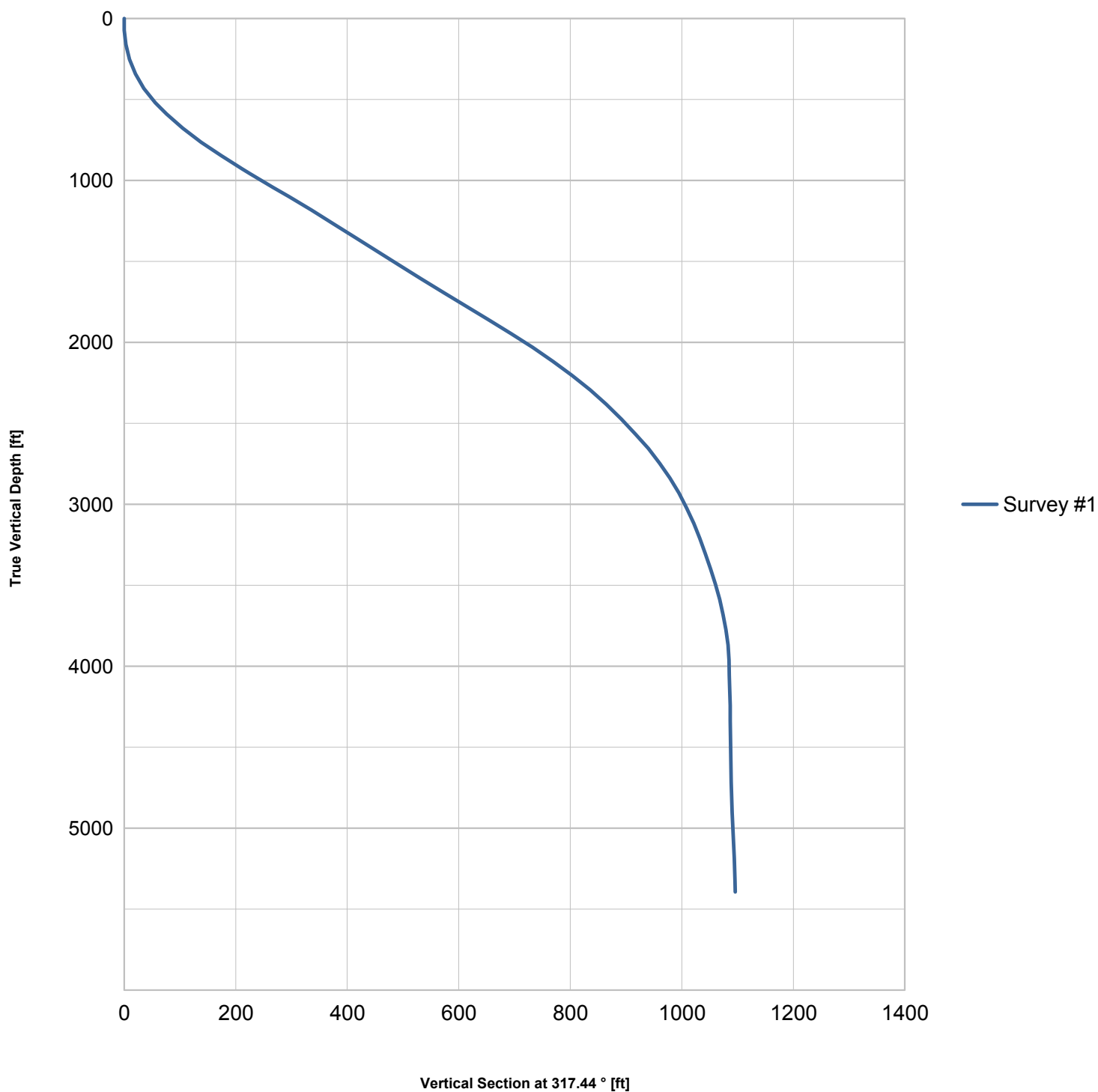
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
3/8/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/2013	NORMAL	72.0	0.44	307.35	72.00	0.17	-0.22	0.27	0.61	0.61	0.00	307.35
	NORMAL	162.0	3.08	319.48	161.95	2.22	-2.07	3.03	2.95	2.93	13.48	14.13
	NORMAL	253.0	5.28	318.34	252.70	7.20	-6.44	9.66	2.42	2.42	-1.25	357.27
	NORMAL	344.0	8.01	319.75	343.08	15.17	-13.32	20.18	3.01	3.00	1.55	4.12
	NORMAL	435.0	11.35	314.91	432.77	26.34	-23.76	35.47	3.77	3.67	-5.32	343.91
	NORMAL	525.0	14.96	319.39	520.40	41.41	-37.60	55.93	4.17	4.01	4.98	17.96
	NORMAL	598.0	16.99	318.46	590.58	56.55	-50.81	76.02	2.80	2.78	-1.27	352.37
	NORMAL	690.0	19.61	317.50	677.92	78.00	-70.15	104.90	2.87	2.85	-1.04	352.98
	NORMAL	782.0	22.44	317.55	763.78	102.34	-92.44	137.90	3.08	3.08	0.05	0.39
	NORMAL	873.0	24.27	317.24	847.32	128.89	-116.86	173.98	2.02	2.01	-0.34	356.02
	NORMAL	964.0	25.06	316.62	930.02	156.63	-142.80	211.95	0.91	0.87	-0.68	341.58
	NORMAL	995.0	25.68	316.10	958.03	166.24	-151.96	225.23	2.13	2.00	-1.68	340.00
3/9/2013	NORMAL	1,089.0	26.71	316.87	1,042.37	196.33	-180.53	266.72	1.15	1.10	0.82	18.61
	NORMAL	1,152.0	26.56	317.68	1,098.69	217.08	-199.69	294.96	0.62	-0.24	1.29	112.81
	NORMAL	1,246.0	25.08	315.44	1,183.30	246.82	-227.82	335.89	1.89	-1.57	-2.38	212.39
	NORMAL	1,340.0	24.52	314.24	1,268.64	274.62	-255.77	375.27	0.80	-0.60	-1.28	221.41
	NORMAL	1,433.0	25.18	316.72	1,353.03	302.49	-283.16	414.32	1.33	0.71	2.67	58.78
	NORMAL	1,527.0	24.90	316.34	1,438.19	331.36	-310.53	454.10	0.34	-0.30	-0.40	209.70
	NORMAL	1,621.0	24.61	315.40	1,523.55	359.61	-337.94	493.45	0.52	-0.31	-1.00	233.19
	NORMAL	1,714.0	25.28	319.72	1,607.88	388.55	-364.38	532.65	2.09	0.72	4.65	71.78

## 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 (°)
3/9/2013	NORMAL	1,807.0	25.61	319.90	1,691.86	419.08	-390.16	572.57	0.36	0.35	0.19	13.27
	NORMAL	1,900.0	25.59	319.45	1,775.73	449.71	-416.16	612.72	0.21	-0.02	-0.48	263.92
3/10/2013	NORMAL	1,994.0	25.51	318.73	1,860.54	480.35	-442.71	653.25	0.34	-0.09	-0.77	255.23
	NORMAL	2,088.0	25.19	319.85	1,945.49	510.86	-468.96	693.47	0.61	-0.34	1.19	124.22
	NORMAL	2,182.0	23.78	318.23	2,031.04	540.28	-494.49	732.41	1.66	-1.50	-1.72	204.73
	NORMAL	2,276.0	22.19	316.86	2,117.57	567.37	-519.25	769.11	1.78	-1.69	-1.46	197.97
	NORMAL	2,370.0	20.94	316.84	2,204.99	592.58	-542.88	803.66	1.33	-1.33	-0.02	180.33
	NORMAL	2,464.0	18.84	316.90	2,293.38	615.92	-564.74	835.64	2.23	-2.23	0.06	179.47
	NORMAL	2,557.0	17.38	316.80	2,381.77	637.01	-584.51	864.54	1.57	-1.57	-0.11	181.17
	NORMAL	2,652.0	15.51	317.06	2,472.88	656.65	-602.88	891.43	1.97	-1.97	0.27	177.87
	NORMAL	2,747.0	15.13	316.18	2,564.50	674.89	-620.12	916.53	0.47	-0.40	-0.93	211.04
	NORMAL	2,841.0	13.56	317.81	2,655.57	691.91	-636.01	939.82	1.72	-1.67	1.73	166.36
	NORMAL	2,934.0	11.88	317.91	2,746.28	707.09	-649.75	960.29	1.81	-1.81	0.11	179.30
	NORMAL	3,027.0	10.66	318.44	2,837.48	720.63	-661.88	978.47	1.32	-1.31	0.57	175.41
	NORMAL	3,122.0	9.32	321.08	2,931.04	733.19	-672.54	994.93	1.49	-1.41	2.78	162.43
	NORMAL	3,216.0	7.80	321.87	3,023.99	744.13	-681.26	1,008.88	1.62	-1.62	0.84	175.97
	NORMAL	3,311.0	7.43	319.87	3,118.15	753.90	-689.20	1,021.45	0.48	-0.39	-2.11	214.63
	NORMAL	3,405.0	6.16	325.49	3,211.49	762.71	-695.97	1,032.52	1.52	-1.35	5.98	155.14
	NORMAL	3,499.0	5.84	326.63	3,304.98	770.86	-701.46	1,042.23	0.36	-0.34	1.21	160.14
	NORMAL	3,594.0	5.46	322.51	3,399.52	778.48	-706.87	1,051.50	0.58	-0.40	-4.34	224.83
	NORMAL	3,688.0	5.19	317.50	3,493.11	785.16	-712.47	1,060.21	0.57	-0.29	-5.33	237.38
	NORMAL	3,782.0	4.24	324.16	3,586.79	791.11	-717.37	1,067.91	1.16	-1.01	7.09	153.34
	NORMAL	3,877.0	3.34	338.69	3,681.59	796.54	-720.43	1,073.98	1.38	-0.95	15.29	140.24
	NORMAL	3,970.0	3.25	339.48	3,774.43	801.53	-722.34	1,078.95	0.11	-0.10	0.85	153.62
	NORMAL	4,065.0	1.78	337.76	3,869.34	805.42	-723.85	1,082.83	1.55	-1.55	-1.81	182.08
3/11/2013	NORMAL	4,159.0	0.60	354.68	3,963.32	807.26	-724.44	1,084.59	1.30	-1.26	18.00	171.76
	NORMAL	4,252.0	0.42	339.11	4,056.31	808.06	-724.61	1,085.29	0.24	-0.19	-16.74	209.98
	NORMAL	4,347.0	0.60	304.52	4,151.31	808.67	-725.14	1,086.10	0.37	0.19	-36.41	282.25
	NORMAL	4,439.0	0.51	27.81	4,243.30	809.31	-725.35	1,086.71	0.81	-0.10	90.53	136.85
	NORMAL	4,533.0	0.44	16.20	4,337.30	810.02	-725.05	1,087.04	0.13	-0.07	-12.35	228.26
	NORMAL	4,626.0	0.35	21.40	4,430.30	810.63	-724.85	1,087.35	0.10	-0.10	5.59	160.87
	NORMAL	4,722.0	0.32	339.67	4,526.30	811.15	-724.84	1,087.72	0.25	-0.03	-43.47	242.44
	NORMAL	4,816.0	0.21	309.35	4,620.30	811.51	-725.06	1,088.14	0.19	-0.12	-32.26	217.39
	NORMAL	4,910.0	0.40	284.99	4,714.29	811.70	-725.51	1,088.58	0.24	0.20	-25.91	313.10
	NORMAL	5,005.0	0.70	264.33	4,809.29	811.73	-726.41	1,089.21	0.37	0.32	-21.75	315.91
	NORMAL	5,100.0	1.05	266.97	4,904.28	811.63	-727.86	1,090.11	0.37	0.37	2.78	7.89
	NORMAL	5,194.0	1.15	274.72	4,998.26	811.66	-729.66	1,091.36	0.19	0.11	8.24	60.01
	NORMAL	5,288.0	1.34	271.53	5,092.24	811.77	-731.70	1,092.81	0.22	0.20	-3.39	338.36
	NORMAL	5,381.0	1.49	251.10	5,185.21	811.40	-733.93	1,094.06	0.56	0.16	-21.97	276.18
	NORMAL	5,476.0	1.50	244.77	5,280.18	810.47	-736.22	1,094.92	0.17	0.01	-6.66	270.30
	NORMAL	5,525.0	1.56	243.29	5,329.16	809.90	-737.40	1,095.29	0.15	0.12	-3.02	325.89
	NORMAL	5,590.0	1.56	243.29	5,394.14	809.11	-738.98	1,095.78	0.00	0.00	0.00	0.00

### 3 Charts

#### 3.1 Vertical Section View



### 3.2 Plan View

