

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

### 1.2 Well Information

Well	SG 44-23	Wellbore No.	
Well Name	SG 44-23	Common Name	SG 44-23
Project	SG 23-07S-096W	Site	SG 44-23 Pad
Vertical Section Azimuth	121.76 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	1/27/2013	UWI	SG 44-23
Active Datum	KB @5,051.0ft (above Mean Sea Level)		

## 2 Survey Name

### 2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	
Date Started	1/27/2013	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

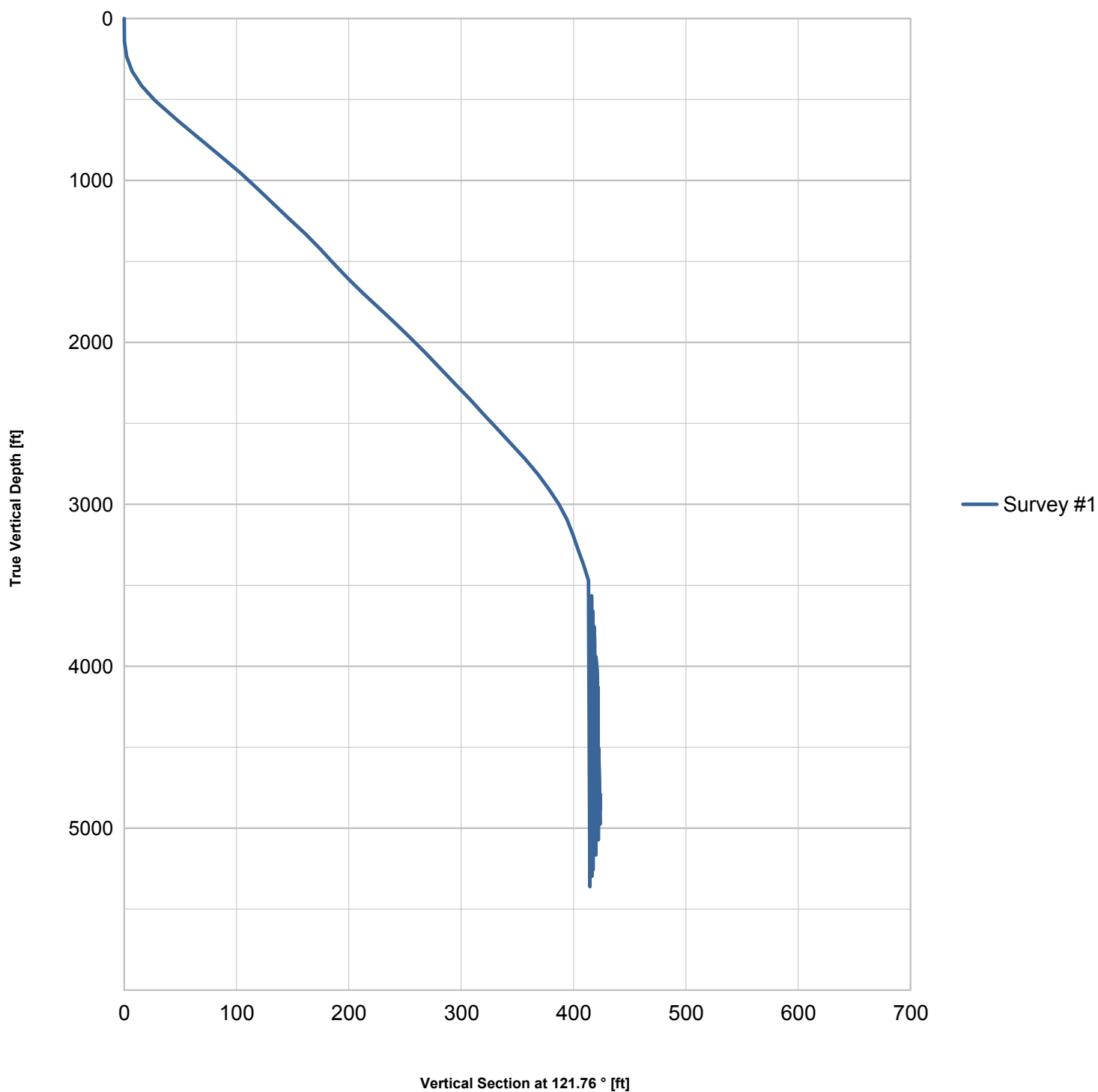
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
1/27/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/27/2013	NORMAL	144.0	0.33	80.26	144.00	0.07	0.41	0.31	0.23	0.23	0.00	80.26
	NORMAL	235.0	2.03	126.92	234.98	-0.85	1.96	2.11	2.00	1.87	51.27	54.24
	NORMAL	326.0	4.12	120.39	325.84	-3.48	6.06	6.99	2.33	2.30	-7.18	347.21
	NORMAL	416.0	6.63	122.11	415.44	-7.87	13.26	15.41	2.79	2.79	1.91	4.53
	NORMAL	507.0	8.48	122.06	505.65	-14.23	23.39	27.38	2.03	2.03	-0.05	359.77
	NORMAL	598.0	9.72	121.47	595.50	-21.80	35.63	41.77	1.37	1.36	-0.65	355.41
	NORMAL	640.0	10.02	120.82	636.88	-25.52	41.79	48.97	0.76	0.71	-1.55	339.30
1/28/2013	NORMAL	781.0	9.60	120.21	775.81	-37.72	62.49	72.99	0.31	-0.30	-0.43	193.60
	NORMAL	872.0	10.09	119.92	865.47	-45.52	75.95	88.54	0.54	0.54	-0.32	354.08
	NORMAL	963.0	9.12	117.44	955.20	-52.82	89.26	103.70	1.16	-1.07	-2.73	201.88
	NORMAL	1,058.0	8.52	122.07	1,049.08	-60.02	101.91	118.24	0.98	-0.63	4.87	132.48
	NORMAL	1,151.0	8.69	122.51	1,141.03	-67.46	113.67	132.16	0.20	0.18	0.47	21.39
	NORMAL	1,246.0	8.71	122.00	1,234.94	-75.13	125.82	146.53	0.08	0.02	-0.54	284.28
	NORMAL	1,340.0	8.85	120.96	1,327.83	-82.62	138.06	160.87	0.23	0.15	-1.11	310.89
	NORMAL	1,432.0	7.55	123.40	1,418.89	-89.59	149.18	173.99	1.46	-1.41	2.65	166.22
	NORMAL	1,526.0	7.56	119.59	1,512.08	-96.04	159.71	186.35	0.53	0.01	-4.05	269.25
	NORMAL	1,621.0	8.18	120.35	1,606.18	-102.54	170.98	199.35	0.66	0.65	0.80	9.90
	NORMAL	1,713.0	8.62	121.09	1,697.19	-109.41	182.53	212.78	0.49	0.48	0.80	14.17
	NORMAL	1,807.0	9.18	119.79	1,790.06	-116.77	195.07	227.32	0.63	0.60	-1.38	339.60
	NORMAL	1,900.0	8.17	121.66	1,882.00	-123.92	207.13	241.34	1.13	-1.09	2.01	165.32

## 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 (°)
1/29/2013	NORMAL	1,993.0	8.62	120.61	1,974.00	-130.94	218.75	254.92	0.51	0.48	-1.13	340.67
	NORMAL	2,088.0	7.86	118.72	2,068.02	-137.69	230.58	268.53	0.85	-0.80	-1.99	198.68
	NORMAL	2,182.0	7.83	122.43	2,161.14	-144.21	241.62	281.35	0.54	-0.03	3.95	95.23
	NORMAL	2,275.0	7.92	120.31	2,253.26	-150.84	252.50	294.09	0.33	0.10	-2.28	286.16
	NORMAL	2,370.0	7.78	123.35	2,347.37	-157.68	263.52	307.06	0.46	-0.15	3.20	110.13
	NORMAL	2,464.0	7.54	122.61	2,440.53	-164.50	274.03	319.58	0.28	-0.26	-0.79	201.98
	NORMAL	2,557.0	7.57	121.88	2,532.73	-171.02	284.37	331.81	0.11	0.03	-0.78	287.00
	NORMAL	2,651.0	7.65	126.19	2,625.90	-177.99	294.68	344.24	0.61	0.09	4.59	84.16
	NORMAL	2,746.0	7.47	126.04	2,720.07	-185.36	304.77	356.70	0.19	-0.19	-0.16	186.18
	NORMAL	2,840.0	6.40	125.03	2,813.38	-191.96	314.01	368.03	1.15	-1.14	-1.07	186.00
	NORMAL	2,934.0	6.01	116.62	2,906.84	-197.17	322.69	378.16	1.05	-0.41	-8.95	242.64
	NORMAL	3,026.0	5.01	112.13	2,998.41	-200.84	330.72	386.92	1.18	-1.09	-4.88	201.10
	NORMAL	3,121.0	3.86	106.21	3,093.12	-203.30	337.64	394.09	1.30	-1.21	-6.23	198.77
	NORMAL	3,215.0	2.90	109.31	3,186.96	-204.97	342.92	399.46	1.04	-1.02	3.30	170.77
	NORMAL	3,310.0	2.96	112.52	3,281.84	-206.70	347.45	404.22	0.18	0.06	3.38	71.52
	NORMAL	3,405.0	2.96	123.84	3,376.71	-209.01	351.75	409.10	0.61	0.00	11.92	95.65
	NORMAL	3,499.0	2.28	130.80	3,470.61	-211.58	355.19	413.37	0.80	-0.72	7.40	158.38
	NORMAL	3,594.0	0.88	112.90	3,565.57	-213.10	357.29	415.96	1.54	-1.47	-18.84	190.62
	NORMAL	3,688.0	0.62	117.73	3,659.57	-213.62	358.40	417.18	0.28	-0.28	5.14	168.74
	NORMAL	3,782.0	0.61	146.07	3,753.56	-214.27	359.13	418.14	0.32	-0.01	30.15	106.01
1/30/2013	NORMAL	3,876.0	0.76	182.99	3,847.55	-215.31	359.38	418.90	0.49	0.16	39.28	90.30
	NORMAL	3,970.0	0.91	141.62	3,941.54	-216.51	359.81	419.90	0.65	0.16	-44.01	262.70
	NORMAL	4,064.0	0.98	81.26	4,035.53	-216.98	361.07	421.21	1.01	0.07	-64.21	243.47
	NORMAL	4,158.0	0.29	50.10	4,129.53	-216.70	362.05	421.90	0.79	-0.73	-33.15	191.59
	NORMAL	4,251.0	0.36	332.15	4,222.53	-216.29	362.09	421.72	0.44	0.08	-83.82	238.61
	NORMAL	4,346.0	0.17	82.20	4,317.53	-216.01	362.09	421.57	0.47	-0.20	115.84	159.10
	NORMAL	4,439.0	0.48	185.18	4,410.52	-216.38	362.19	421.85	0.58	0.33	110.73	120.71
	NORMAL	4,533.0	0.26	136.96	4,504.52	-216.93	362.30	422.23	0.39	-0.23	-51.30	212.29
	NORMAL	4,626.0	0.54	67.16	4,597.52	-216.91	362.85	422.69	0.55	0.30	-75.05	261.74
	NORMAL	4,721.0	0.57	58.07	4,692.52	-216.49	363.66	423.16	0.10	0.03	-9.57	284.23
	NORMAL	4,816.0	0.34	80.71	4,787.51	-216.19	364.34	423.58	0.30	-0.24	23.83	152.94
	NORMAL	4,910.0	0.39	185.37	4,881.51	-216.47	364.59	423.93	0.62	0.05	111.34	139.30
	NORMAL	5,005.0	1.40	239.10	4,976.50	-217.38	363.56	423.54	1.27	1.06	56.56	68.78
	NORMAL	5,100.0	2.15	245.90	5,071.45	-218.71	360.94	422.01	0.82	0.79	7.16	19.10
	NORMAL	5,193.0	2.58	245.39	5,164.38	-220.29	357.44	419.87	0.46	0.46	-0.55	356.94
	NORMAL	5,287.0	2.99	242.82	5,258.26	-222.29	353.34	417.44	0.46	0.44	-2.73	341.77
	NORMAL	5,325.0	3.00	244.55	5,296.21	-223.17	351.56	416.39	0.24	0.03	4.55	84.55
	NORMAL	5,390.0	3.02	247.51	5,361.12	-224.56	348.44	414.47	0.24	0.03	4.55	84.15

### 3 Charts

#### 3.1 Vertical Section View



### 3.2 Plan View

