

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 544-23	Wellbore No.	
Well Name	SG 544-23	Common Name	SG 544-23
Project	SG 23-07S-096W	Site	SG 44-23 Pad
Vertical Section Azimuth	154.54 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	1/2/2013	UWI	SG 544-23
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	1/2/2013	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

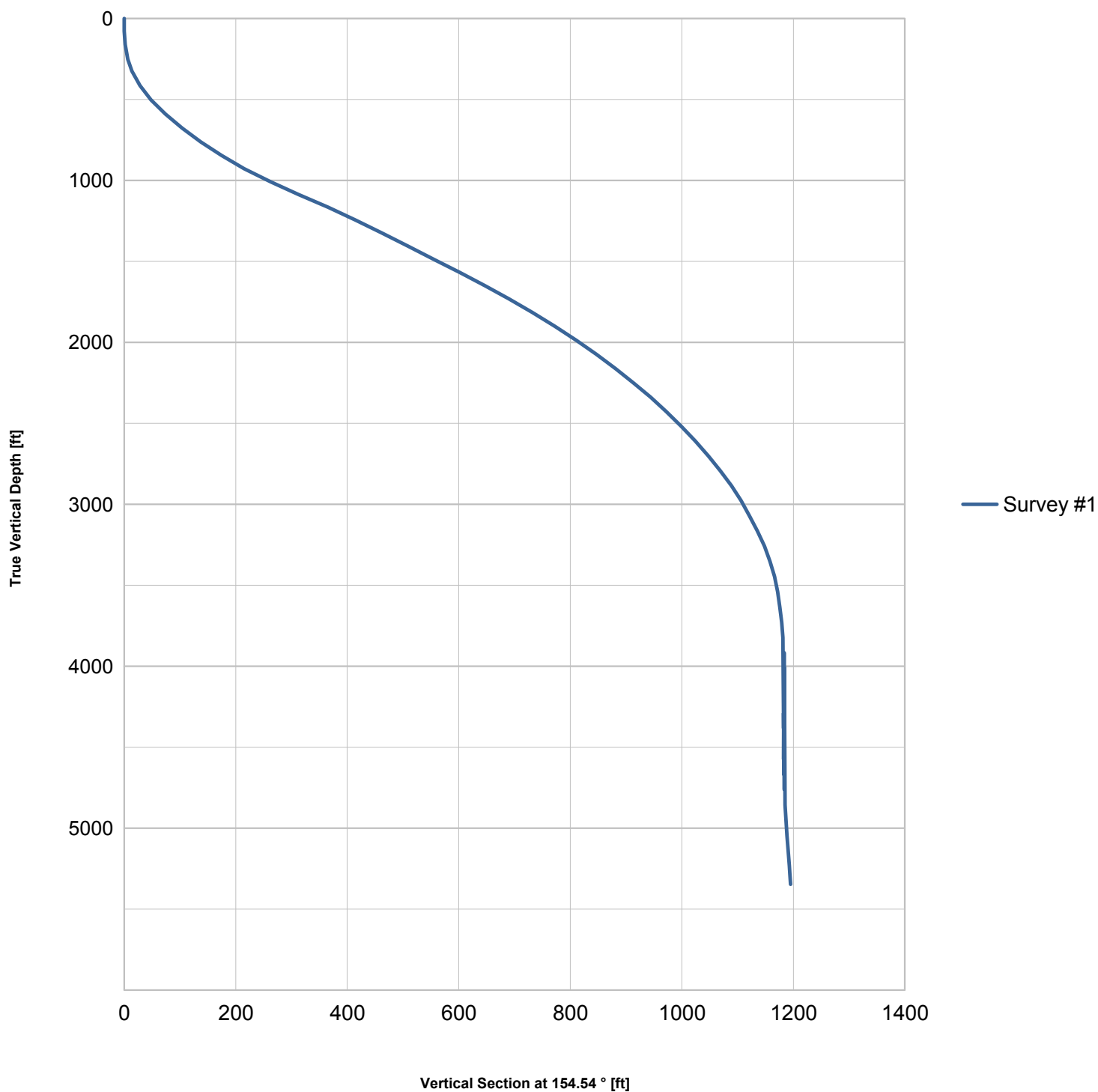
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
1/2/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/2/2013	NORMAL	78.0	0.35	145.63	78.00	-0.20	0.13	0.24	0.45	0.45	0.00	145.63
	NORMAL	162.0	1.58	162.16	161.99	-1.51	0.63	1.64	1.49	1.46	19.68	21.10
	NORMAL	253.0	4.49	158.03	252.85	-6.01	2.35	6.44	3.20	3.20	-4.54	353.64
1/3/2013	NORMAL	326.0	7.19	154.24	325.46	-12.77	5.41	13.86	3.73	3.70	-5.19	349.98
	NORMAL	417.0	11.05	150.75	415.30	-25.52	12.15	28.26	4.28	4.24	-3.84	350.12
	NORMAL	507.0	14.89	153.37	502.98	-43.39	21.55	48.44	4.32	4.27	2.91	9.99
	NORMAL	598.0	17.92	154.51	590.27	-66.48	32.81	74.13	3.35	3.33	1.25	6.61
	NORMAL	690.0	19.92	154.44	677.30	-93.40	45.67	103.96	2.17	2.17	-0.08	359.32
	NORMAL	782.0	22.77	155.73	762.98	-123.77	59.75	137.44	3.14	3.10	1.40	9.96
	NORMAL	873.0	25.21	155.50	846.11	-157.47	75.03	174.43	2.68	2.68	-0.25	357.70
	NORMAL	964.0	28.05	154.41	927.45	-194.41	92.31	215.21	3.17	3.12	-1.20	349.75
	NORMAL	1,059.0	31.92	153.71	1,009.72	-237.09	113.09	262.68	4.09	4.07	-0.74	354.53
1/5/2013	NORMAL	1,151.0	34.23	151.65	1,086.81	-281.67	136.15	312.85	2.79	2.51	-2.24	333.18
	NORMAL	1,246.0	33.09	152.54	1,165.88	-328.20	160.80	365.45	1.31	-1.20	0.94	156.97
	NORMAL	1,339.0	31.22	153.25	1,244.61	-372.25	183.36	414.92	2.05	-2.01	0.76	168.88
	NORMAL	1,432.0	29.96	152.78	1,324.67	-414.43	204.83	462.23	1.38	-1.35	-0.51	190.55
	NORMAL	1,526.0	29.58	155.47	1,406.26	-456.41	225.20	508.89	1.48	-0.40	2.86	107.05
	NORMAL	1,621.0	29.72	155.20	1,488.82	-499.12	244.81	555.89	0.20	0.15	-0.28	316.23
	NORMAL	1,713.0	29.72	155.00	1,568.72	-540.49	264.02	601.49	0.11	0.00	-0.22	269.91
	NORMAL	1,807.0	28.31	154.32	1,650.92	-581.70	283.52	647.09	1.54	-1.50	-0.72	192.87

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 (°)
1/5/2013	NORMAL	1,899.0	27.44	154.41	1,732.25	-620.48	302.13	690.10	0.95	-0.95	0.10	177.27
	NORMAL	1,993.0	26.01	154.82	1,816.20	-658.66	320.26	732.37	1.53	-1.52	0.44	172.84
	NORMAL	2,087.0	24.75	156.38	1,901.13	-695.35	336.91	772.65	1.52	-1.34	1.66	152.75
	NORMAL	2,182.0	23.10	156.67	1,987.97	-730.68	352.26	811.15	1.74	-1.74	0.31	176.06
	NORMAL	2,275.0	21.84	155.89	2,073.90	-763.22	366.55	846.68	1.39	-1.35	-0.84	192.95
	NORMAL	2,370.0	20.67	156.70	2,162.44	-794.75	380.40	881.10	1.27	-1.23	0.85	166.29
	NORMAL	2,464.0	19.71	156.37	2,250.66	-824.51	393.32	913.52	1.03	-1.02	-0.35	186.61
	NORMAL	2,557.0	18.28	152.93	2,338.60	-851.87	406.24	943.78	1.95	-1.54	-3.70	216.44
	NORMAL	2,651.0	16.92	153.88	2,428.20	-877.28	418.98	972.19	1.48	-1.45	1.01	168.53
	NORMAL	2,746.0	16.01	152.52	2,519.30	-901.32	431.11	999.11	1.04	-0.96	-1.43	202.31
1/6/2013	NORMAL	2,840.0	15.16	153.70	2,609.84	-923.84	442.53	1,024.36	0.97	-0.90	1.26	160.11
	NORMAL	2,935.0	13.58	155.04	2,701.87	-945.09	452.75	1,047.93	1.70	-1.66	1.41	168.76
	NORMAL	3,027.0	12.67	156.47	2,791.47	-964.13	461.33	1,068.82	1.05	-0.99	1.55	161.06
	NORMAL	3,122.0	11.64	155.72	2,884.33	-982.42	469.43	1,088.81	1.10	-1.08	-0.79	188.35
	NORMAL	3,216.0	9.68	154.66	2,976.71	-998.21	476.71	1,106.20	2.10	-2.09	-1.13	185.19
	NORMAL	3,311.0	8.68	153.00	3,070.49	-1,011.81	483.39	1,121.35	1.09	-1.05	-1.75	194.01
	NORMAL	3,406.0	8.32	153.50	3,164.45	-1,024.35	489.71	1,135.39	0.39	-0.38	0.53	168.65
	NORMAL	3,501.0	7.05	152.15	3,258.59	-1,035.66	495.50	1,148.08	1.35	-1.34	-1.42	187.42
	NORMAL	3,595.0	5.38	152.91	3,352.04	-1,044.68	500.20	1,158.25	1.78	-1.78	0.81	177.56
	NORMAL	3,689.0	4.15	153.00	3,445.71	-1,051.63	503.75	1,166.06	1.31	-1.31	0.10	179.70
	NORMAL	3,783.0	2.90	150.45	3,539.53	-1,056.73	506.47	1,171.83	1.34	-1.33	-2.71	185.88
	NORMAL	3,878.0	2.12	128.53	3,634.44	-1,059.92	509.03	1,175.81	1.29	-0.82	-23.07	220.30
	NORMAL	3,972.0	2.10	134.79	3,728.38	-1,062.22	511.61	1,178.99	0.25	-0.02	6.66	98.08
	NORMAL	4,066.0	1.12	139.15	3,822.34	-1,064.12	513.43	1,181.50	1.05	-1.04	4.64	175.05
	NORMAL	4,160.0	1.05	158.12	3,916.32	-1,065.62	514.36	1,183.24	0.39	-0.07	20.18	110.41
	NORMAL	4,253.0	0.61	49.81	4,009.31	-1,066.09	515.05	1,183.97	1.47	-0.47	-116.46	205.01
	NORMAL	4,348.0	0.57	19.28	4,104.31	-1,065.32	515.59	1,183.50	0.33	-0.04	-32.14	247.66
	NORMAL	4,440.0	1.01	45.12	4,196.30	-1,064.31	516.32	1,182.91	0.60	0.48	28.09	52.40
	NORMAL	4,534.0	0.36	33.79	4,290.29	-1,063.48	517.07	1,182.48	0.70	-0.69	-12.05	186.14
1/7/2013	NORMAL	4,627.0	0.33	84.65	4,383.29	-1,063.22	517.50	1,182.43	0.32	-0.03	54.69	120.65
	NORMAL	4,723.0	0.15	225.43	4,479.29	-1,063.28	517.69	1,182.56	0.48	-0.19	146.65	168.00
	NORMAL	4,818.0	0.35	217.68	4,574.29	-1,063.59	517.42	1,182.73	0.21	0.21	-8.16	346.51
	NORMAL	4,912.0	1.06	232.31	4,668.28	-1,064.35	516.56	1,183.05	0.77	0.76	15.56	21.62
	NORMAL	5,006.0	1.72	221.86	4,762.26	-1,065.94	514.93	1,183.78	0.75	0.70	-11.12	333.71
	NORMAL	5,101.0	2.21	221.63	4,857.20	-1,068.37	512.76	1,185.04	0.52	0.52	-0.24	358.96
	NORMAL	5,289.0	2.77	217.01	5,045.02	-1,074.70	507.62	1,188.55	0.32	0.30	-2.46	337.96
	NORMAL	5,382.0	3.34	221.21	5,137.89	-1,078.54	504.48	1,190.66	0.66	0.61	4.52	23.55
	NORMAL	5,477.0	3.43	223.18	5,232.72	-1,082.69	500.71	1,192.79	0.15	0.09	2.07	53.26
	NORMAL	5,526.0	3.40	223.68	5,281.64	-1,084.81	498.70	1,193.84	0.09	-0.06	1.02	135.46
	NORMAL	5,591.0	3.40	223.68	5,346.52	-1,087.60	496.04	1,195.22	0.00	0.00	0.00	0.00

3 Charts

3.1 Vertical Section View



3.2 Plan View

