

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 42-27	Wellbore No.	
Well Name	SG 42-27	Common Name	SG 42-27
Project	SG 27-07S-096W	Site	SG 43-27 Pad
Vertical Section Azimuth	36.21 (°)	North Reference	
Origin N/S		Origin E/W	
Spud Date	11/1/2011	UWI	SG 42-27
Active Datum	KB @5,042.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	
Date Started	11/1/2011	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

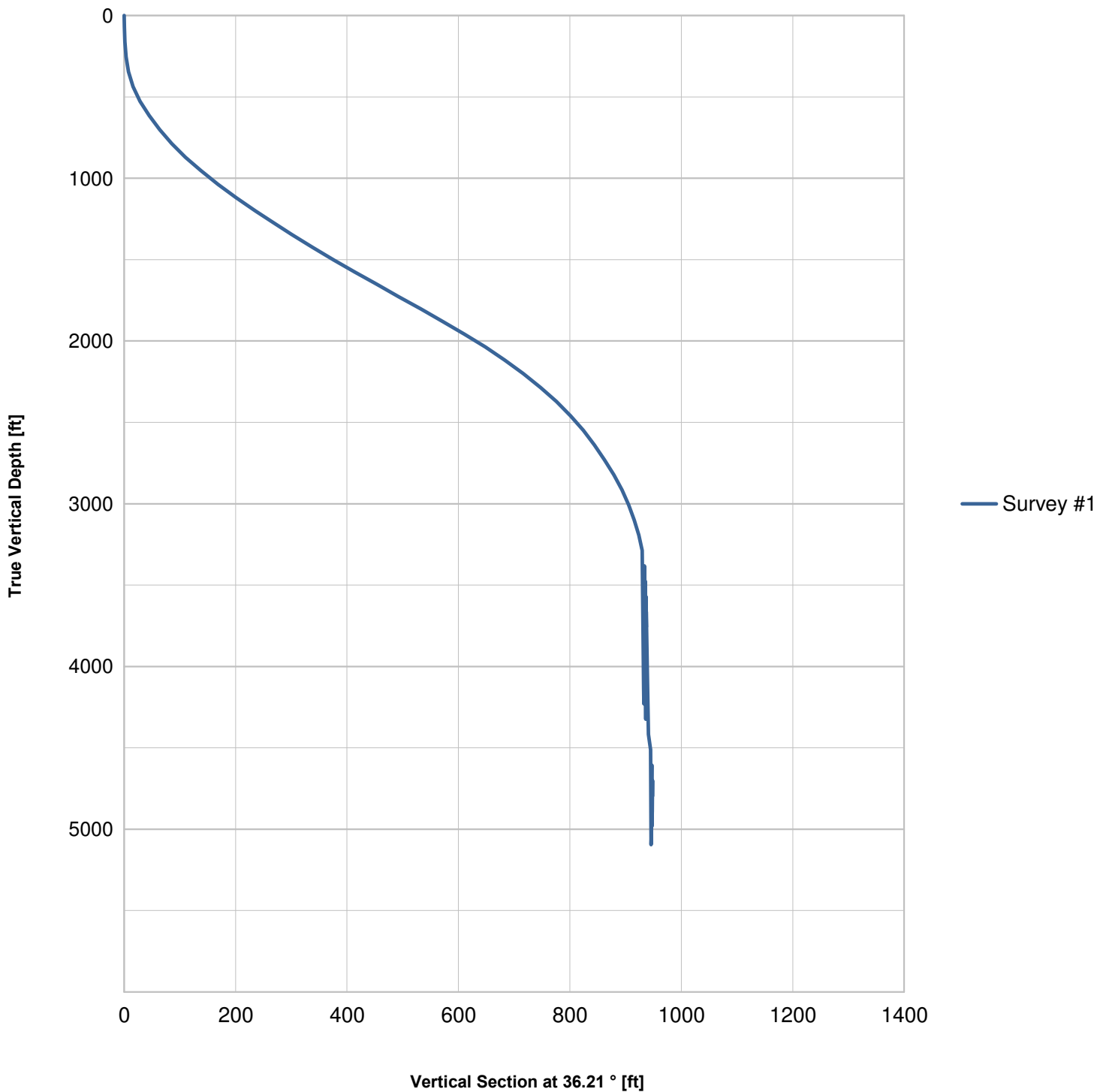
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
11/1/2011	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/1/2011	NORMAL	71.0	0.70	354.64	71.00	0.43	-0.04	0.32	0.99	0.99	0.00	354.64
	NORMAL	162.0	0.88	26.72	161.99	1.61	0.22	1.43	0.52	0.20	35.25	84.42
	NORMAL	254.0	1.67	18.46	253.97	3.51	0.96	3.40	0.88	0.86	-8.98	342.75
	NORMAL	346.0	4.75	0.53	345.81	8.59	1.42	7.78	3.48	3.35	-19.49	332.85
	NORMAL	438.0	8.71	355.52	437.16	19.35	0.91	16.15	4.35	4.30	-5.45	349.07
	NORMAL	529.0	12.40	353.76	526.61	35.94	-0.69	28.59	4.07	4.05	-1.93	354.14
	NORMAL	620.0	16.28	349.89	614.76	58.22	-3.99	44.62	4.39	4.26	-4.25	344.24
	NORMAL	711.0	19.35	349.45	701.38	85.60	-8.99	63.76	3.38	3.37	-0.48	357.28
	NORMAL	802.0	21.48	349.48	786.66	116.81	-14.79	85.51	2.34	2.34	0.03	0.30
	NORMAL	894.0	24.07	350.75	871.48	151.89	-20.88	110.22	2.87	2.82	1.38	11.33
11/2/2011	NORMAL	985.0	26.08	351.30	953.90	189.99	-26.89	137.40	2.22	2.21	0.60	6.86
	NORMAL	1,080.0	28.69	351.30	1,038.25	233.18	-33.50	168.35	2.75	2.75	0.00	0.00
	NORMAL	1,174.0	30.47	350.82	1,119.99	279.01	-40.72	201.07	1.91	1.89	-0.51	352.21
	NORMAL	1,268.0	32.28	350.03	1,200.25	327.26	-48.87	235.19	1.97	1.93	-0.84	346.86
	NORMAL	1,348.0	33.08	349.61	1,267.58	369.78	-56.50	264.98	1.04	1.00	-0.53	344.00
11/3/2011	NORMAL	1,441.0	33.58	350.73	1,345.29	420.13	-65.22	300.45	0.85	0.54	1.20	51.38
	NORMAL	1,536.0	35.24	349.15	1,423.66	472.98	-74.62	337.55	1.98	1.75	-1.66	331.07
	NORMAL	1,630.0	36.39	348.97	1,499.89	526.98	-85.06	374.96	1.23	1.22	-0.19	354.69
	NORMAL	1,724.0	36.56	351.08	1,575.47	582.01	-94.73	413.64	1.35	0.18	2.24	83.13
	NORMAL	1,818.0	36.08	351.26	1,651.21	637.03	-103.28	452.98	0.52	-0.51	0.19	167.55

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 (°)
11/3/2011	NORMAL	1,912.0	35.99	352.93	1,727.23	691.80	-110.88	492.68	1.05	-0.10	1.78	95.91
	NORMAL	2,006.0	36.21	351.26	1,803.18	746.65	-118.50	532.44	1.07	0.23	-1.78	281.93
	NORMAL	2,101.0	35.11	352.49	1,880.37	801.47	-126.34	572.04	1.38	-1.16	1.29	147.40
	NORMAL	2,195.0	33.22	354.07	1,958.14	853.89	-132.53	610.67	2.22	-2.01	1.68	155.50
	NORMAL	2,289.0	31.33	353.89	2,037.62	903.81	-137.79	647.84	2.01	-2.01	-0.19	182.84
	NORMAL	2,383.0	29.49	353.89	2,118.68	951.11	-142.86	683.02	1.96	-1.96	0.00	180.00
	NORMAL	2,477.0	27.55	354.25	2,201.27	995.75	-147.50	716.30	2.07	-2.06	0.38	175.09
	NORMAL	2,572.0	24.92	353.02	2,286.48	1,037.49	-152.13	747.23	2.83	-2.77	-1.29	191.13
	NORMAL	2,666.0	22.85	355.04	2,372.42	1,075.33	-156.12	775.41	2.37	-2.20	2.15	159.36
	NORMAL	2,760.0	20.30	354.16	2,459.83	1,109.74	-159.36	801.26	2.73	-2.71	-0.94	186.82
	NORMAL	2,854.0	17.40	355.12	2,548.78	1,139.97	-162.21	823.97	3.10	-3.09	1.02	174.35
	NORMAL	2,948.0	15.07	354.86	2,639.03	1,166.15	-164.50	843.74	2.48	-2.48	-0.28	181.66
	NORMAL	3,042.0	13.80	357.32	2,730.06	1,189.52	-166.12	861.64	1.50	-1.35	2.62	155.41
	NORMAL	3,136.0	12.96	356.88	2,821.50	1,211.25	-167.22	878.52	0.90	-0.89	-0.47	186.70
	NORMAL	3,231.0	10.59	355.48	2,914.50	1,230.59	-168.49	893.38	2.51	-2.49	-1.47	186.19
	NORMAL	3,325.0	8.75	356.97	3,007.16	1,246.34	-169.55	905.46	1.98	-1.96	1.59	172.99
	NORMAL	3,419.0	7.16	356.36	3,100.25	1,259.33	-170.30	915.50	1.69	-1.69	-0.65	182.74
	NORMAL	3,513.0	5.93	352.40	3,193.64	1,269.99	-171.31	923.50	1.39	-1.31	-4.21	198.19
	NORMAL	3,607.0	4.31	357.06	3,287.26	1,278.33	-172.13	929.74	1.78	-1.72	4.96	167.92
	NORMAL	3,702.0	2.24	343.17	3,382.10	1,283.67	-172.85	933.63	2.32	-2.18	-14.62	194.13
11/4/2011	NORMAL	3,796.0	2.11	331.22	3,476.03	1,286.95	-174.22	935.46	0.50	-0.14	-12.71	248.09
	NORMAL	3,890.0	1.58	326.30	3,569.99	1,289.54	-175.77	936.64	0.59	-0.56	-5.23	194.19
	NORMAL	3,984.0	1.45	308.85	3,663.95	1,291.36	-177.42	937.14	0.51	-0.14	-18.56	245.66
	NORMAL	4,078.0	1.36	296.77	3,757.93	1,292.61	-179.34	937.01	0.33	-0.10	-12.85	247.12
	NORMAL	4,172.0	1.36	277.96	3,851.90	1,293.27	-181.44	936.30	0.47	0.00	-20.01	260.60
	NORMAL	4,267.0	1.58	267.76	3,946.87	1,293.38	-183.86	934.95	0.36	0.23	-10.74	304.88
	NORMAL	4,361.0	1.63	260.20	4,040.83	1,293.10	-186.48	933.18	0.23	0.05	-8.04	279.49
	NORMAL	4,455.0	0.88	302.83	4,134.81	1,293.26	-188.40	932.18	1.22	-0.80	45.35	148.76
	NORMAL	4,549.0	1.45	341.59	4,228.79	1,294.78	-189.38	932.83	1.00	0.61	41.23	74.56
11/5/2011	NORMAL	4,644.0	2.99	37.40	4,323.73	1,297.89	-188.26	936.00	2.61	1.62	58.75	84.66
	NORMAL	4,738.0	3.03	36.96	4,417.60	1,301.82	-185.27	940.93	0.05	0.04	-0.47	329.77
	NORMAL	4,832.0	1.49	37.66	4,511.52	1,304.78	-183.03	944.64	1.64	-1.64	0.74	179.32
	NORMAL	4,927.0	1.27	21.93	4,606.49	1,306.73	-181.89	946.90	0.46	-0.23	-16.56	232.15
	NORMAL	5,021.0	0.22	357.94	4,700.48	1,307.88	-181.50	948.05	1.14	-1.12	-25.52	184.78
	NORMAL	5,116.0	0.40	306.08	4,795.48	1,308.25	-181.78	948.19	0.33	0.19	-54.59	274.91
	NORMAL	5,210.0	0.53	257.30	4,889.48	1,308.35	-182.47	947.86	0.43	0.14	-51.89	262.75
	NORMAL	5,304.0	0.75	241.13	4,983.47	1,307.96	-183.43	946.98	0.30	0.23	-17.20	312.34
	NORMAL	5,375.0	1.05	245.26	5,054.47	1,307.46	-184.43	945.99	0.43	0.42	5.82	14.27
	NORMAL	5,415.0	1.05	245.26	5,094.46	1,307.16	-185.09	945.34	0.00	0.00	0.00	0.00

3 Charts

3.1 Vertical Section View



3.2 Plan View

