

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 342-22	Wellbore No.	00
Well Name	SG 342-22	Common Name	SG 342-22
Project	SG 22-07S-096W	Site	SG 42-22 Pad
Vertical Section Azimuth	242.10 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	7/13/2013	UWI	SG 342-22
Active Datum	KB @5,243.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	
Date Started	7/13/2013	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

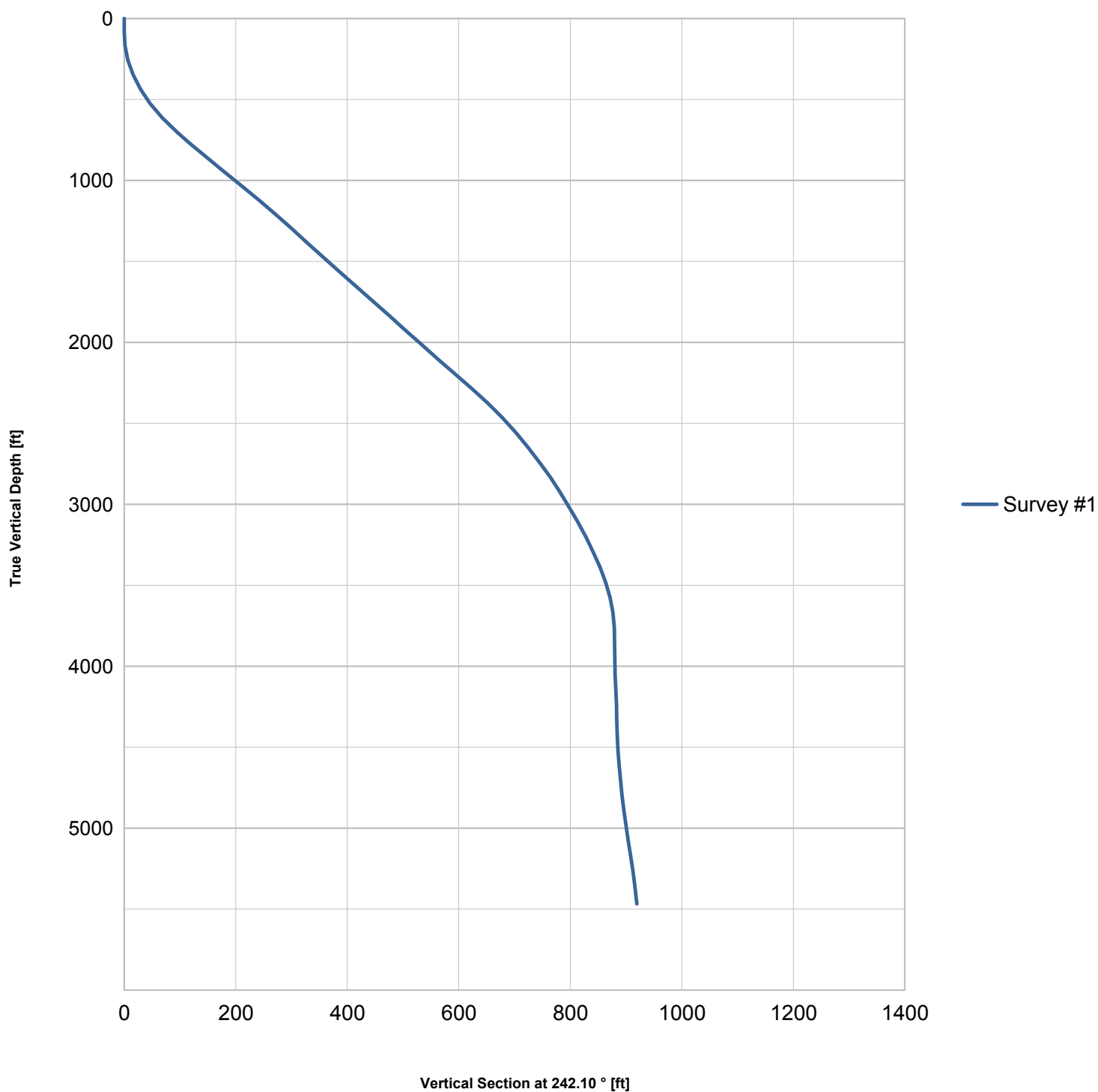
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
7/13/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/13/2013	NORMAL	74.0	0.44	315.18	74.00	0.20	-0.20	0.08	0.59	0.59	0.00	315.18
	NORMAL	166.0	1.67	249.87	165.98	-0.01	-1.71	1.51	1.67	1.34	-70.99	279.64
	NORMAL	257.0	4.75	241.88	256.83	-2.24	-6.28	6.60	3.41	3.38	-8.78	347.73
	NORMAL	348.0	7.13	240.64	347.34	-6.79	-14.52	16.01	2.62	2.62	-1.36	356.30
7/14/2013	NORMAL	439.0	9.50	242.40	437.37	-13.04	-26.10	29.17	2.62	2.60	1.93	7.00
	NORMAL	529.0	12.84	240.73	525.66	-21.37	-41.41	46.60	3.73	3.71	-1.86	353.65
	NORMAL	621.0	15.13	241.44	614.92	-32.11	-60.88	68.83	2.50	2.49	0.77	4.63
	NORMAL	713.0	17.86	242.49	703.13	-44.37	-83.94	94.94	2.98	2.97	1.14	6.74
	NORMAL	787.0	19.07	241.65	773.32	-55.35	-104.64	118.38	1.67	1.64	-1.14	347.20
	NORMAL	845.0	19.64	241.84	828.04	-64.45	-121.58	137.60	0.99	0.98	0.33	6.39
7/15/2013	NORMAL	966.0	19.43	243.94	942.08	-82.89	-157.58	178.05	0.61	-0.17	1.74	107.64
	NORMAL	1,061.0	19.66	242.90	1,031.60	-97.11	-186.01	209.83	0.44	0.24	-1.09	302.98
	NORMAL	1,155.0	18.97	243.00	1,120.31	-111.25	-213.70	240.91	0.73	-0.73	0.11	177.30
	NORMAL	1,248.0	18.71	241.95	1,208.33	-125.13	-240.33	270.94	0.46	-0.28	-1.13	232.02
	NORMAL	1,343.0	17.56	241.97	1,298.61	-139.03	-266.43	300.51	1.21	-1.21	0.02	179.70
	NORMAL	1,437.0	17.72	242.09	1,388.19	-152.39	-291.58	329.00	0.17	0.17	0.13	12.86
	NORMAL	1,531.0	18.41	243.03	1,477.55	-165.81	-317.45	358.14	0.80	0.73	1.00	23.35
	NORMAL	1,624.0	17.51	242.13	1,566.02	-179.01	-342.91	386.82	1.01	-0.97	-0.97	196.71
	NORMAL	1,720.0	18.56	241.98	1,657.30	-192.94	-369.17	416.54	1.09	1.09	-0.16	357.40
	NORMAL	1,814.0	18.35	240.61	1,746.47	-207.23	-395.27	446.29	0.51	-0.22	-1.46	243.51

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 (°)
7/15/2013	NORMAL	1,909.0	17.64	240.89	1,836.82	-221.57	-420.87	475.63	0.75	-0.75	0.29	173.19
	NORMAL	2,004.0	18.37	241.30	1,927.17	-235.77	-446.58	504.99	0.78	0.77	0.43	10.04
	NORMAL	2,097.0	17.87	243.57	2,015.56	-249.15	-472.21	533.91	0.93	-0.54	2.44	126.38
	NORMAL	2,192.0	18.22	242.35	2,105.88	-262.53	-498.42	563.33	0.54	0.37	-1.28	312.22
	NORMAL	2,285.0	18.62	242.15	2,194.12	-276.22	-524.42	592.72	0.44	0.43	-0.22	350.93
	NORMAL	2,381.0	18.32	240.80	2,285.18	-290.74	-551.15	623.13	0.54	-0.31	-1.41	234.31
	NORMAL	2,475.0	17.15	241.09	2,374.71	-304.65	-576.17	651.76	1.25	-1.24	0.31	175.82
	NORMAL	2,569.0	15.16	244.95	2,464.99	-316.55	-599.44	677.89	2.40	-2.12	4.11	153.49
	NORMAL	2,663.0	14.51	241.01	2,555.86	-327.46	-620.88	701.94	1.28	-0.69	-4.19	235.31
	NORMAL	2,757.0	12.73	243.52	2,647.21	-337.79	-640.45	724.07	1.99	-1.89	2.67	162.85
	NORMAL	2,852.0	12.39	242.19	2,739.94	-347.21	-658.84	744.73	0.47	-0.36	-1.40	219.74
	NORMAL	2,947.0	11.28	241.77	2,832.92	-356.36	-676.04	764.21	1.17	-1.17	-0.44	184.23
	NORMAL	3,041.0	10.23	237.63	2,925.27	-365.18	-691.19	781.73	1.39	-1.12	-4.40	214.32
	NORMAL	3,135.0	9.61	241.88	3,017.87	-373.35	-705.16	797.90	1.02	-0.66	4.52	132.34
	NORMAL	3,229.0	9.60	241.67	3,110.55	-380.76	-718.98	813.58	0.04	-0.01	-0.22	253.97
7/16/2013	NORMAL	3,323.0	8.36	243.32	3,203.39	-387.55	-731.98	828.25	1.35	-1.32	1.76	169.08
	NORMAL	3,417.0	7.63	242.21	3,296.48	-393.53	-743.61	841.32	0.79	-0.78	-1.18	191.39
	NORMAL	3,512.0	7.17	240.98	3,390.69	-399.35	-754.37	853.56	0.51	-0.48	-1.29	198.39
	NORMAL	3,605.0	5.40	243.41	3,483.13	-404.12	-763.36	863.74	1.92	-1.90	2.61	172.66
	NORMAL	3,698.0	4.17	240.34	3,575.80	-407.75	-770.22	871.49	1.35	-1.32	-3.30	190.23
	NORMAL	3,791.0	2.20	238.72	3,668.65	-410.35	-774.68	876.65	2.12	-2.12	-1.74	181.81
	NORMAL	3,886.0	0.54	228.71	3,763.62	-411.60	-776.57	878.91	1.76	-1.75	-10.54	183.22
	NORMAL	3,980.0	0.14	252.15	3,857.62	-411.92	-777.02	879.45	0.44	-0.43	24.94	172.29
	NORMAL	4,074.0	0.60	175.47	3,951.62	-412.45	-777.09	879.76	0.62	0.49	-81.57	269.83
	NORMAL	4,168.0	0.74	206.38	4,045.61	-413.48	-777.32	880.45	0.41	0.15	32.88	84.75
	NORMAL	4,262.0	0.96	220.05	4,139.60	-414.63	-778.09	881.67	0.32	0.23	14.54	49.64
	NORMAL	4,356.0	0.34	264.97	4,233.59	-415.26	-778.88	882.66	0.81	-0.66	47.79	161.54
	NORMAL	4,449.0	0.62	211.08	4,326.59	-415.71	-779.41	883.34	0.54	0.30	-57.95	272.90
	NORMAL	4,544.0	0.79	206.12	4,421.58	-416.74	-779.97	884.31	0.19	0.18	-5.22	337.76
	NORMAL	4,638.0	0.88	242.33	4,515.58	-417.66	-780.89	885.56	0.56	0.10	38.52	98.74
	NORMAL	4,733.0	1.49	239.08	4,610.55	-418.63	-782.60	887.52	0.65	0.64	-3.42	352.09
	NORMAL	4,826.0	1.71	239.81	4,703.52	-419.95	-784.83	890.12	0.24	0.24	0.78	5.66
	NORMAL	4,920.0	1.76	227.65	4,797.48	-421.63	-787.11	892.92	0.39	0.05	-12.94	271.63
	NORMAL	5,014.0	2.42	223.53	4,891.41	-424.04	-789.55	896.20	0.72	0.70	-4.38	345.11
	NORMAL	5,108.0	2.42	222.11	4,985.33	-426.95	-792.24	899.94	0.06	0.00	-1.51	269.29
	NORMAL	5,200.0	2.90	219.21	5,077.23	-430.19	-795.02	903.91	0.54	0.52	-3.15	342.89
	NORMAL	5,294.0	2.95	219.83	5,171.11	-433.89	-798.07	908.34	0.06	0.05	0.66	32.63
	NORMAL	5,389.0	2.73	202.95	5,265.99	-437.86	-800.52	912.36	0.91	-0.23	-17.77	246.93
	NORMAL	5,484.0	2.66	202.79	5,360.89	-441.97	-802.25	915.82	0.07	-0.07	-0.17	186.05
	NORMAL	5,525.0	2.72	199.77	5,401.84	-443.76	-802.95	917.27	0.38	0.15	-7.37	291.43
	NORMAL	5,590.0	2.72	199.77	5,466.77	-446.67	-804.00	919.55	0.00	0.00	0.00	0.00

3 Charts

3.1 Vertical Section View



3.2 Plan View

