

1 General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	SG 532-22	Wellbore No.	00
Well Name	SG 532-22	Common Name	SG 532-22
Project	SG 22-07S-096W	Site	SG 42-22 Pad
Vertical Section Azimuth	229.33 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	7/8/2013	UWI	SG 532-22
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	6/27/2013	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

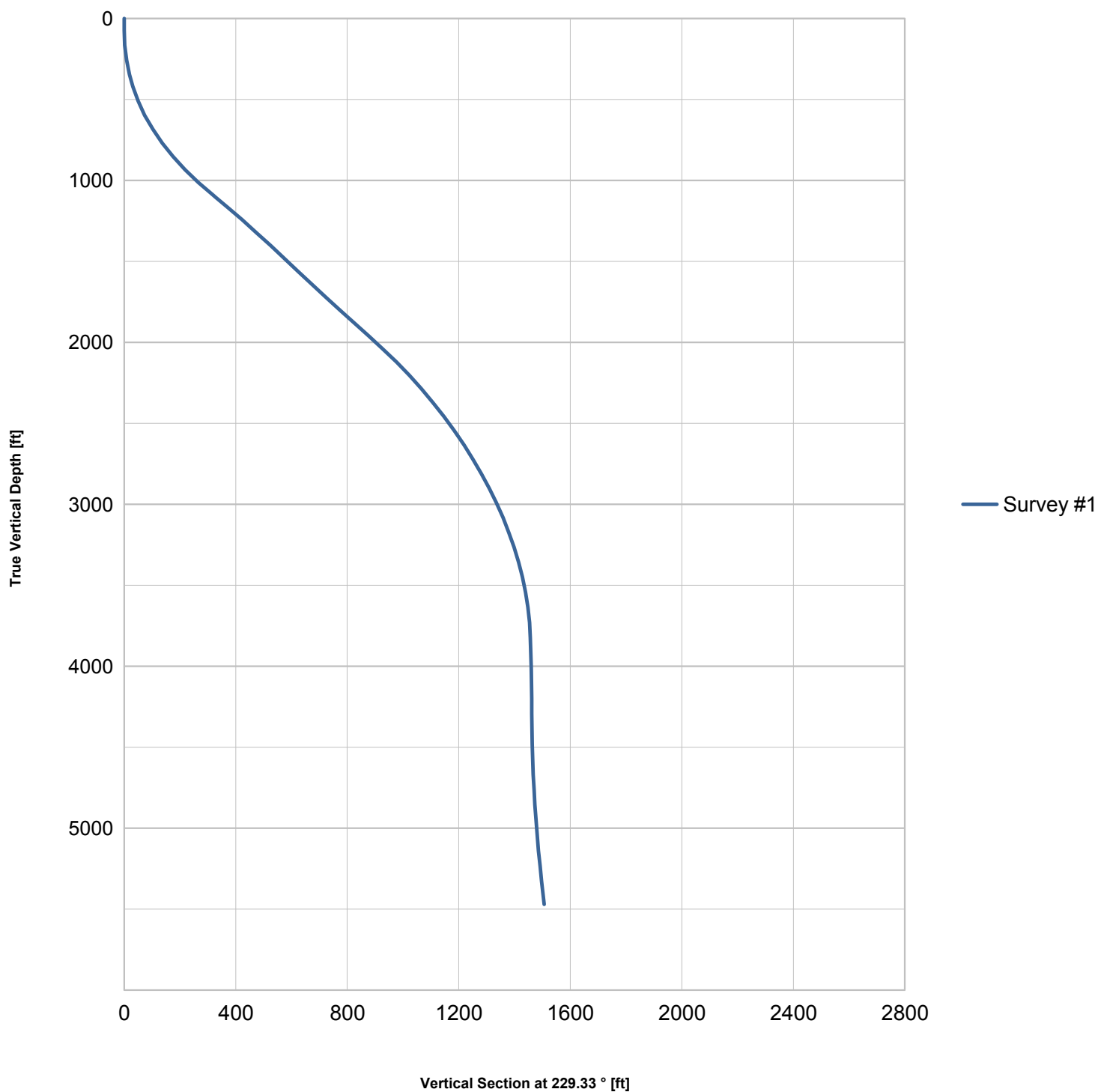
Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
6/27/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/27/2013	NORMAL	74.0	0.26	273.87	74.00	0.01	-0.17	0.12	0.35	0.35	0.00	273.87
	NORMAL	166.0	2.46	237.48	165.97	-1.04	-2.04	2.22	2.45	2.39	-39.55	319.69
	NORMAL	257.0	5.45	230.27	256.74	-4.85	-7.01	8.48	3.32	3.29	-7.92	346.95
	NORMAL	348.0	7.83	230.54	347.13	-11.55	-15.12	19.00	2.62	2.62	0.30	0.89
	NORMAL	423.0	10.56	233.02	421.15	-18.93	-24.56	30.97	3.68	3.64	3.31	9.49
	NORMAL	513.0	13.49	227.06	509.17	-31.05	-38.84	49.69	3.53	3.26	-6.62	334.10
	NORMAL	605.0	16.74	233.63	597.99	-46.22	-57.37	73.63	3.99	3.53	7.14	31.00
	NORMAL	697.0	20.34	229.64	685.20	-64.44	-80.23	102.84	4.15	3.91	-4.34	338.68
7/9/2013	NORMAL	74.0	0.26	273.87	74.00	0.01	-0.17	0.12	0.00	0.00	0.00	0.00
	NORMAL	166.0	2.46	237.48	165.97	-1.04	-2.04	2.22	0.00	0.00	0.00	0.00
	NORMAL	257.0	5.45	230.27	256.74	-4.85	-7.01	8.48	0.00	0.00	0.00	0.00
	NORMAL	348.0	7.83	230.54	347.13	-11.55	-15.12	19.00	0.00	0.00	0.00	0.00
	NORMAL	423.0	10.56	233.02	421.15	-18.93	-24.56	30.97	0.00	0.00	0.00	0.00
	NORMAL	513.0	13.49	227.06	509.17	-31.05	-38.84	49.69	0.00	0.00	0.00	0.00
	NORMAL	605.0	16.74	233.63	597.99	-46.22	-57.37	73.63	0.00	0.00	0.00	0.00
	NORMAL	697.0	20.34	229.64	685.20	-64.44	-80.23	102.84	0.00	0.00	0.00	0.00
	NORMAL	789.0	23.51	229.15	770.54	-86.80	-106.30	137.19	3.45	3.45	-0.53	356.47
	NORMAL	880.0	26.07	229.42	853.14	-111.68	-135.22	175.34	2.82	2.81	0.30	2.65
	NORMAL	972.0	29.31	230.30	934.60	-139.23	-167.91	218.09	3.55	3.52	0.96	7.58
	NORMAL	1,065.0	33.58	229.67	1,013.92	-170.43	-205.04	266.59	4.60	4.59	-0.68	355.33

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 (°)
7/9/2013	NORMAL	1,159.0	34.71	228.74	1,091.72	-204.90	-244.98	319.35	1.32	1.20	-0.99	334.82
	NORMAL	1,173.0	34.89	228.62	1,103.21	-210.18	-250.98	327.34	1.38	1.29	-0.86	339.12
7/10/2013	NORMAL	1,248.0	34.65	226.47	1,164.82	-239.04	-282.54	370.08	1.67	-0.32	-2.87	258.04
	NORMAL	1,342.0	33.23	228.21	1,242.81	-274.61	-321.12	422.53	1.83	-1.51	1.85	146.34
	NORMAL	1,437.0	32.42	228.28	1,322.64	-308.91	-359.53	474.01	0.85	-0.85	0.07	177.35
	NORMAL	1,531.0	32.92	227.41	1,401.77	-342.96	-397.15	524.74	0.73	0.53	-0.93	316.43
	NORMAL	1,624.0	31.04	226.86	1,480.65	-376.46	-433.25	573.95	2.05	-2.02	-0.59	188.57
	NORMAL	1,720.0	31.57	227.83	1,562.67	-410.26	-469.94	623.80	0.76	0.55	1.01	43.98
	NORMAL	1,814.0	32.26	229.14	1,642.46	-443.19	-507.15	673.49	1.04	0.73	1.39	45.66
	NORMAL	1,909.0	31.87	227.89	1,722.97	-476.60	-544.93	723.91	0.81	-0.41	-1.32	239.03
	NORMAL	2,004.0	33.07	230.59	1,803.12	-509.87	-583.56	774.90	1.98	1.26	2.84	51.52
	NORMAL	2,097.0	33.01	230.13	1,881.08	-542.22	-622.61	825.60	0.28	-0.06	-0.49	256.35
	NORMAL	2,192.0	32.93	229.17	1,960.79	-575.69	-662.01	877.30	0.56	-0.08	-1.01	260.89
	NORMAL	2,285.0	31.31	229.45	2,039.55	-607.93	-699.50	926.74	1.75	-1.74	0.30	174.87
	NORMAL	2,381.0	30.89	231.15	2,121.75	-639.61	-737.65	976.32	1.01	-0.44	1.77	116.29
	NORMAL	2,475.0	28.22	230.84	2,203.51	-668.78	-773.68	1,022.66	2.85	-2.84	-0.33	183.14
	NORMAL	2,569.0	26.52	228.80	2,286.99	-696.64	-806.70	1,065.87	2.07	-1.81	-2.17	207.98
	NORMAL	2,663.0	25.76	230.64	2,371.38	-723.42	-838.29	1,107.27	1.18	-0.81	1.96	133.98
	NORMAL	2,757.0	23.34	232.25	2,456.87	-747.78	-868.81	1,146.30	2.67	-2.57	1.71	165.28
	NORMAL	2,852.0	22.65	229.41	2,544.33	-771.20	-897.58	1,183.39	1.38	-0.73	-2.99	236.82
	NORMAL	2,947.0	20.92	230.81	2,632.54	-793.82	-924.62	1,218.64	1.90	-1.82	1.47	163.93
	NORMAL	3,041.0	19.09	229.86	2,720.86	-814.34	-949.38	1,250.79	1.98	-1.95	-1.01	189.62
7/11/2013	NORMAL	3,135.0	17.79	228.26	2,810.04	-833.81	-971.85	1,280.52	1.48	-1.38	-1.70	200.51
	NORMAL	3,229.0	17.07	231.13	2,899.72	-852.03	-993.30	1,308.66	1.19	-0.77	3.05	131.31
	NORMAL	3,323.0	15.29	228.81	2,989.99	-868.85	-1,013.37	1,334.85	2.01	-1.89	-2.47	198.85
	NORMAL	3,417.0	13.65	228.86	3,081.01	-884.31	-1,031.05	1,358.34	1.74	-1.74	0.05	179.59
	NORMAL	3,512.0	12.26	231.11	3,173.59	-898.02	-1,047.35	1,379.63	1.56	-1.46	2.37	161.15
	NORMAL	3,605.0	11.11	228.37	3,264.66	-910.17	-1,061.73	1,398.46	1.37	-1.24	-2.95	204.42
	NORMAL	3,698.0	9.30	234.09	3,356.19	-920.53	-1,074.52	1,414.91	2.23	-1.95	6.15	153.55
	NORMAL	3,791.0	7.56	229.65	3,448.18	-928.90	-1,085.27	1,428.51	2.00	-1.87	-4.77	198.32
	NORMAL	3,886.0	5.87	224.62	3,542.53	-936.40	-1,093.44	1,439.61	1.88	-1.78	-5.29	196.70
	NORMAL	3,980.0	4.50	232.50	3,636.14	-942.07	-1,099.74	1,448.08	1.64	-1.46	8.38	156.42
	NORMAL	4,074.0	2.83	234.41	3,729.95	-945.67	-1,104.56	1,454.07	1.78	-1.78	2.03	176.77
	NORMAL	4,168.0	0.90	243.13	3,823.89	-947.35	-1,107.10	1,457.10	2.07	-2.05	9.28	175.98
	NORMAL	4,262.0	1.02	240.50	3,917.88	-948.10	-1,108.49	1,458.64	0.14	0.13	-2.80	338.52
	NORMAL	4,356.0	1.09	201.77	4,011.86	-949.34	-1,109.55	1,460.25	0.75	0.07	-41.20	256.03
	NORMAL	4,449.0	0.29	202.76	4,104.86	-950.38	-1,109.97	1,461.25	0.86	-0.86	1.06	179.64
	NORMAL	4,544.0	0.26	153.66	4,199.86	-950.79	-1,109.97	1,461.51	0.24	-0.03	-51.68	238.64
	NORMAL	4,638.0	0.56	180.79	4,293.85	-951.44	-1,109.88	1,461.87	0.37	0.32	28.86	46.97
	NORMAL	4,733.0	0.90	177.17	4,388.85	-952.65	-1,109.85	1,462.64	0.36	0.36	-3.81	350.46
7/12/2013	NORMAL	4,826.0	1.18	174.24	4,481.83	-954.33	-1,109.72	1,463.63	0.31	0.30	-3.15	347.78
	NORMAL	4,920.0	1.48	191.89	4,575.81	-956.48	-1,109.87	1,465.15	0.54	0.32	18.78	62.82
	NORMAL	5,014.0	1.67	198.66	4,669.77	-958.97	-1,110.56	1,467.29	0.28	0.20	7.20	47.82
	NORMAL	5,108.0	2.17	198.55	4,763.72	-961.96	-1,111.56	1,470.00	0.53	0.53	-0.12	359.52
	NORMAL	5,200.0	2.20	204.56	4,855.65	-965.21	-1,112.85	1,473.10	0.25	0.03	6.53	85.55
	NORMAL	5,294.0	2.86	208.37	4,949.56	-968.92	-1,114.71	1,476.93	0.72	0.70	4.05	16.20
	NORMAL	5,389.0	2.85	213.32	5,044.44	-972.98	-1,117.14	1,481.41	0.26	-0.01	5.21	94.79
	NORMAL	5,484.0	3.03	216.54	5,139.31	-976.97	-1,119.93	1,486.13	0.26	0.19	3.39	44.15
	NORMAL	5,578.0	3.65	210.69	5,233.16	-981.54	-1,122.94	1,491.39	0.75	0.66	-6.22	328.26
	NORMAL	5,672.0	3.91	214.29	5,326.95	-986.76	-1,126.27	1,497.32	0.37	0.28	3.83	44.20
	NORMAL	5,750.0	3.69	213.15	5,404.78	-991.06	-1,129.14	1,502.30	0.30	-0.28	-1.46	198.39
	NORMAL	5,815.0	3.69	213.15	5,469.64	-994.56	-1,131.43	1,506.31	0.00	0.00	0.00	0.00

3 Charts

3.1 Vertical Section View



3.2 Plan View

