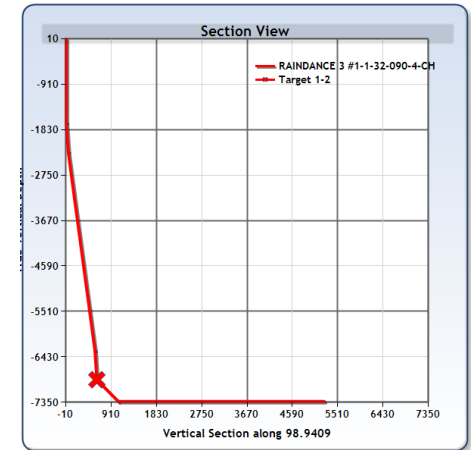
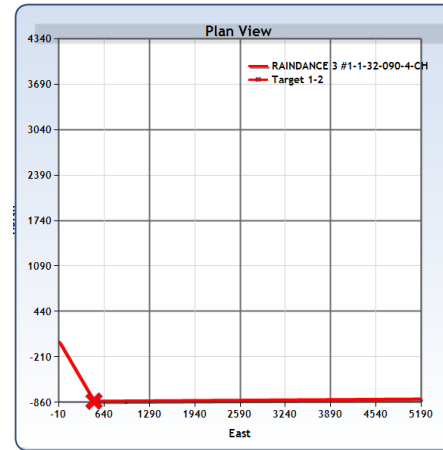


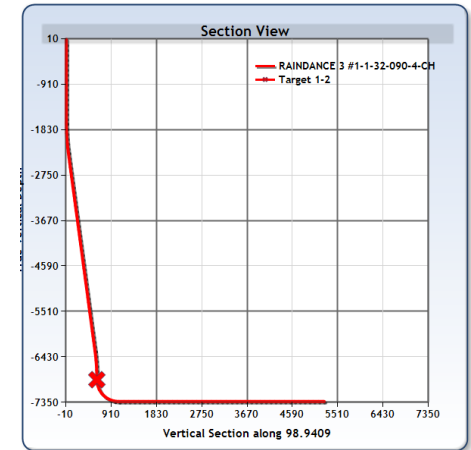
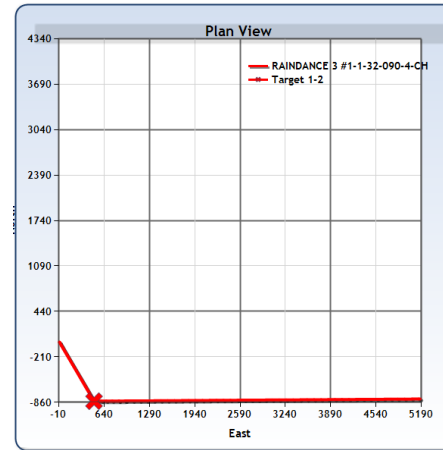
Company: Tekton Windsor, LLC
Well Name: RAINDANCE 3 #1-1-32-090-4-CH
Location: SESE Sec. 30 T6N R67W
Info: North Reference is True North.
Info:
Vertical Section Calculated on an Azimuth of: 0.0000
Survey Calculation method: Minimum Curvature
File Name: raindance 3 #1-1-32-090-4-ch, directional proposal, 09-11-12.pl6



#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	SubSea Feet	Section Feet	Dogleg /100f	BldRate /100f	Trnrate /100f	Comment
0	0.00	0.00	149.59	0.00	0.00	0.00	4995.00	0.00	0.00	0.00	0.00	
1	1683.00	0.00	149.59	1683.00	0.00	0.00	3312.00	0.00	0.00	0.00	0.00	
2	2283.00	12.00	149.59	2278.62	-53.99	31.69	2716.38	-53.99	2.00	2.00	0.00	
3	6392.90	12.00	149.59	6298.71	-790.91	464.25	-1303.71	-790.91	0.00	0.00	0.00	
4	6992.90	0.00	89.62	6894.34	-844.90	495.94	-1899.34	-844.90	2.00	2.00	0.00	
5	7685.21	90.00	89.62	7335.07	-842.01	936.66	-2340.07	-842.01	13.00	13.00	0.00	
6	11924.00	90.00	89.62	7335.07	-814.23	5175.37	-2340.07	-814.23	0.00	0.00	0.00	

Closure is 5239.0245 feet on an Azimuth of 98.9409

Company: Tekton Windsor, LLC
Well Name: RAINDANCE 3 #1-1-32-090-4-CH
Location: SESE Sec. 30 T6N R67W
Info: North Reference is True North.
Info:
Vertical Section Calculated on an Azimuth of: 98.9409
Survey Calculation method: Minimum Curvature
File Name: Raindance 3 #1-1-32-090-4-CH, Directional Surveys V1.0 09-12-12.sr6



#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	SubSea Feet	Section Feet	Dogleg /100f	BldRate /100f	Trnrate /100f	Comment
0	0.00	0.00	149.59	0.00	0.00	0.00	4995.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	149.59	100.00	0.00	0.00	4895.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	149.59	200.00	0.00	0.00	4795.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	149.59	300.00	0.00	0.00	4695.00	0.00	0.00	0.00	0.00	
4	400.00	0.00	149.59	400.00	0.00	0.00	4595.00	0.00	0.00	0.00	0.00	
5	500.00	0.00	149.59	500.00	0.00	0.00	4495.00	0.00	0.00	0.00	0.00	
6	600.00	0.00	149.59	600.00	0.00	0.00	4395.00	0.00	0.00	0.00	0.00	
7	700.00	0.00	149.59	700.00	0.00	0.00	4295.00	0.00	0.00	0.00	0.00	
8	800.00	0.00	149.59	800.00	0.00	0.00	4195.00	0.00	0.00	0.00	0.00	
9	900.00	0.00	149.59	900.00	0.00	0.00	4095.00	0.00	0.00	0.00	0.00	
10	1000.00	0.00	149.59	1000.00	0.00	0.00	3995.00	0.00	0.00	0.00	0.00	
11	1100.00	0.00	149.59	1100.00	0.00	0.00	3895.00	0.00	0.00	0.00	0.00	
12	1200.00	0.00	149.59	1200.00	0.00	0.00	3795.00	0.00	0.00	0.00	0.00	
13	1300.00	0.00	149.59	1300.00	0.00	0.00	3695.00	0.00	0.00	0.00	0.00	
14	1400.00	0.00	149.59	1400.00	0.00	0.00	3595.00	0.00	0.00	0.00	0.00	
15	1500.00	0.00	149.59	1500.00	0.00	0.00	3495.00	0.00	0.00	0.00	0.00	
16	1600.00	0.00	149.59	1600.00	0.00	0.00	3395.00	0.00	0.00	0.00	0.00	



#	Depth	Inc	Azimuth	TVD	North	East	SubSea	Section	Dogleg	BldRate	Trnrate	Comment
KOP, B.G.=2°/100'												
17	1683.00	0.00	149.59	1683.00	0.00	0.00	3312.00	0.00	0.00	0.00	0.00	
18	1700.00	0.34	149.59	1700.00	-0.04	0.03	3295.00	0.03	2.00	2.00	0.00	
19	1800.00	2.34	149.59	1799.97	-2.06	1.21	3195.03	1.51	2.00	2.00	0.00	
20	1900.00	4.34	149.59	1899.79	-7.08	4.16	3095.21	5.21	2.00	2.00	0.00	
21	2000.00	6.34	149.59	1999.35	-15.11	8.87	2995.65	11.11	2.00	2.00	0.00	
22	2100.00	8.34	149.59	2098.53	-26.13	15.34	2896.47	19.21	2.00	2.00	0.00	
23	2200.00	10.34	149.59	2197.20	-40.12	23.55	2797.80	29.50	2.00	2.00	0.00	
EOB, Hold 12°												
24	2283.00	12.00	149.59	2278.62	-53.99	31.69	2716.38	39.70	2.00	2.00	0.00	
25	2300.00	12.00	149.59	2295.25	-57.04	33.48	2699.75	41.94	0.00	0.00	0.00	
26	2400.00	12.00	149.59	2393.07	-74.97	44.00	2601.93	55.12	0.00	0.00	0.00	
27	2500.00	12.00	149.59	2490.88	-92.90	54.53	2504.12	68.30	0.00	0.00	0.00	
28	2600.00	12.00	149.59	2588.70	-110.83	65.05	2406.30	81.49	0.00	0.00	0.00	
29	2700.00	12.00	149.59	2686.51	-128.76	75.58	2308.49	94.67	0.00	0.00	0.00	
30	2800.00	12.00	149.59	2784.33	-146.69	86.10	2210.67	107.85	0.00	0.00	0.00	
31	2900.00	12.00	149.59	2882.14	-164.62	96.63	2112.86	121.04	0.00	0.00	0.00	
32	3000.00	12.00	149.59	2979.95	-182.55	107.15	2015.05	134.22	0.00	0.00	0.00	
33	3100.00	12.00	149.59	3077.77	-200.48	117.68	1917.23	147.41	0.00	0.00	0.00	
34	3200.00	12.00	149.59	3175.58	-218.41	128.20	1819.42	160.59	0.00	0.00	0.00	
35	3300.00	12.00	149.59	3273.40	-236.34	138.73	1721.60	173.77	0.00	0.00	0.00	
36	3400.00	12.00	149.59	3371.21	-254.27	149.25	1623.79	186.96	0.00	0.00	0.00	
37	3500.00	12.00	149.59	3469.03	-272.20	159.78	1525.97	200.14	0.00	0.00	0.00	
38	3600.00	12.00	149.59	3566.84	-290.13	170.30	1428.16	213.32	0.00	0.00	0.00	
39	3700.00	12.00	149.59	3664.66	-308.06	180.83	1330.34	226.51	0.00	0.00	0.00	
40	3800.00	12.00	149.59	3762.47	-325.99	191.35	1232.53	239.69	0.00	0.00	0.00	
41	3900.00	12.00	149.59	3860.29	-343.92	201.88	1134.71	252.87	0.00	0.00	0.00	
42	4000.00	12.00	149.59	3958.10	-361.86	212.40	1036.90	266.06	0.00	0.00	0.00	
43	4100.00	12.00	149.59	4055.92	-379.79	222.93	939.08	279.24	0.00	0.00	0.00	
44	4200.00	12.00	149.59	4153.73	-397.72	233.45	841.27	292.42	0.00	0.00	0.00	
45	4300.00	12.00	149.59	4251.55	-415.65	243.97	743.45	305.61	0.00	0.00	0.00	



#	Depth	Inc	Azimuth	TVD	North	East	SubSea	Section	Dogleg	BldRate	Trnrate	Comment
46	4400.00	12.00	149.59	4349.36	-433.58	254.50	645.64	318.79	0.00	0.00	0.00	
47	4500.00	12.00	149.59	4447.18	-451.51	265.02	547.82	331.98	0.00	0.00	0.00	
48	4600.00	12.00	149.59	4544.99	-469.44	275.55	450.01	345.16	0.00	0.00	0.00	
49	4700.00	12.00	149.59	4642.81	-487.37	286.07	352.19	358.34	0.00	0.00	0.00	
50	4800.00	12.00	149.59	4740.62	-505.30	296.60	254.38	371.53	0.00	0.00	0.00	
51	4900.00	12.00	149.59	4838.44	-523.23	307.12	156.56	384.71	0.00	0.00	0.00	
52	5000.00	12.00	149.59	4936.25	-541.16	317.65	58.75	397.89	0.00	0.00	0.00	
53	5100.00	12.00	149.59	5034.06	-559.09	328.17	-39.06	411.08	0.00	0.00	0.00	
54	5200.00	12.00	149.59	5131.88	-577.02	338.70	-136.88	424.26	0.00	0.00	0.00	
55	5300.00	12.00	149.59	5229.69	-594.95	349.22	-234.69	437.44	0.00	0.00	0.00	
56	5400.00	12.00	149.59	5327.51	-612.88	359.75	-332.51	450.63	0.00	0.00	0.00	
57	5500.00	12.00	149.59	5425.32	-630.81	370.27	-430.32	463.81	0.00	0.00	0.00	
58	5600.00	12.00	149.59	5523.14	-648.74	380.80	-528.14	476.99	0.00	0.00	0.00	
59	5700.00	12.00	149.59	5620.95	-666.67	391.32	-625.95	490.18	0.00	0.00	0.00	
60	5800.00	12.00	149.59	5718.77	-684.60	401.85	-723.77	503.36	0.00	0.00	0.00	
61	5900.00	12.00	149.59	5816.58	-702.53	412.37	-821.58	516.54	0.00	0.00	0.00	
62	6000.00	12.00	149.59	5914.40	-720.46	422.90	-919.40	529.73	0.00	0.00	0.00	
63	6100.00	12.00	149.59	6012.21	-738.40	433.42	-1017.21	542.91	0.00	0.00	0.00	
64	6200.00	12.00	149.59	6110.03	-756.33	443.94	-1115.03	556.10	0.00	0.00	0.00	
65	6300.00	12.00	149.59	6207.84	-774.26	454.47	-1212.84	569.28	0.00	0.00	0.00	
66	6392.90	12.00	149.59	6298.71	-790.91	464.25	-1303.71	581.53	0.00	0.00	0.00	
TOD, D.G.=2°/100'												
67	6400.00	11.86	149.59	6305.66	-792.18	464.99	-1310.66	582.46	2.00	2.00	0.00	
68	6500.00	9.86	149.59	6403.86	-808.42	474.53	-1408.86	594.40	2.00	2.00	0.00	
69	6600.00	7.86	149.59	6502.67	-821.70	482.32	-1507.67	604.16	2.00	2.00	0.00	
70	6700.00	5.86	149.59	6601.95	-832.00	488.36	-1606.95	611.74	2.00	2.00	0.00	
71	6800.00	3.86	149.59	6701.58	-839.30	492.65	-1706.58	617.11	2.00	2.00	0.00	
72	6900.00	1.86	149.59	6801.45	-843.60	495.17	-1806.45	620.27	2.00	2.00	0.00	
73	6992.90	0.00	89.62	6894.34	-844.90	495.94	-1899.34	621.22	2.00	2.00	0.00	
EOD, KOP #2, B.G.=13°/100'												
74	7000.00	0.92	89.62	6901.43	-844.90	495.99	-1906.43	621.28	13.00	13.00	0.00	



#	Depth	Inc	Azimuth	TVD	North	East	SubSea	Section	Dogleg	BldRate	Trnrate	Comment
75	7100.00	13.92	89.62	7000.38	-844.82	508.89	-2005.38	634.00	13.00	13.00	0.00	
76	7200.00	26.92	89.62	7093.90	-844.59	543.71	-2098.90	668.36	13.00	13.00	0.00	
77	7300.00	39.92	89.62	7177.18	-844.23	598.67	-2182.18	722.60	13.00	13.00	0.00	
78	7400.00	52.92	89.62	7245.97	-843.76	670.96	-2250.97	793.94	13.00	13.00	0.00	
79	7500.00	65.92	89.62	7296.73	-843.19	756.86	-2301.73	878.71	13.00	13.00	0.00	
80	7600.00	78.92	89.62	7326.86	-842.57	851.99	-2331.86	972.58	13.00	13.00	0.00	
Int	7600.73	79.02	89.62	7327.00	-842.56	852.70	-2332.00	973.29	---	---	---	
CODL												
82	7685.21	90.00	89.62	7335.07	-842.01	936.66	-2340.07	1056.15	13.00	13.00	0.00	
83	7700.00	90.00	89.62	7335.07	-841.92	951.46	-2340.07	1070.74	0.00	0.00	0.00	
84	7800.00	90.00	89.62	7335.07	-841.26	1051.45	-2340.07	1169.42	0.00	0.00	0.00	
85	7900.00	90.00	89.62	7335.07	-840.61	1151.45	-2340.07	1268.10	0.00	0.00	0.00	
86	8000.00	90.00	89.62	7335.07	-839.95	1251.45	-2340.07	1366.79	0.00	0.00	0.00	
87	8100.00	90.00	89.62	7335.07	-839.29	1351.45	-2340.07	1465.47	0.00	0.00	0.00	
88	8200.00	90.00	89.62	7335.07	-838.64	1451.45	-2340.07	1564.15	0.00	0.00	0.00	
89	8300.00	90.00	89.62	7335.07	-837.98	1551.44	-2340.07	1662.83	0.00	0.00	0.00	
90	8400.00	90.00	89.62	7335.07	-837.33	1651.44	-2340.07	1761.51	0.00	0.00	0.00	
91	8500.00	90.00	89.62	7335.07	-836.67	1751.44	-2340.07	1860.19	0.00	0.00	0.00	
92	8600.00	90.00	89.62	7335.07	-836.02	1851.44	-2340.07	1958.87	0.00	0.00	0.00	
93	8700.00	90.00	89.62	7335.07	-835.36	1951.44	-2340.07	2057.55	0.00	0.00	0.00	
94	8800.00	90.00	89.62	7335.07	-834.71	2051.43	-2340.07	2156.23	0.00	0.00	0.00	
95	8900.00	90.00	89.62	7335.07	-834.05	2151.43	-2340.07	2254.91	0.00	0.00	0.00	
96	9000.00	90.00	89.62	7335.07	-833.39	2251.43	-2340.07	2353.59	0.00	0.00	0.00	
97	9100.00	90.00	89.62	7335.07	-832.74	2351.43	-2340.07	2452.28	0.00	0.00	0.00	
98	9200.00	90.00	89.62	7335.07	-832.08	2451.42	-2340.07	2550.96	0.00	0.00	0.00	
99	9300.00	90.00	89.62	7335.07	-831.43	2551.42	-2340.07	2649.64	0.00	0.00	0.00	
100	9400.00	90.00	89.62	7335.07	-830.77	2651.42	-2340.07	2748.32	0.00	0.00	0.00	
101	9500.00	90.00	89.62	7335.07	-830.12	2751.42	-2340.07	2847.00	0.00	0.00	0.00	
102	9600.00	90.00	89.62	7335.07	-829.46	2851.42	-2340.07	2945.68	0.00	0.00	0.00	
103	9700.00	90.00	89.62	7335.07	-828.81	2951.41	-2340.07	3044.36	0.00	0.00	0.00	
104	9800.00	90.00	89.62	7335.07	-828.15	3051.41	-2340.07	3143.04	0.00	0.00	0.00	
105	9900.00	90.00	89.62	7335.07	-827.49	3151.41	-2340.07	3241.72	0.00	0.00	0.00	



#	Depth	Inc	Azimuth	TVD	North	East	SubSea	Section	Dogleg	BldRate	Trnrate	Comment
106	10000.00	90.00	89.62	7335.07	-826.84	3251.41	-2340.07	3340.40	0.00	0.00	0.00	
107	10100.00	90.00	89.62	7335.07	-826.18	3351.41	-2340.07	3439.08	0.00	0.00	0.00	
108	10200.00	90.00	89.62	7335.07	-825.53	3451.40	-2340.07	3537.77	0.00	0.00	0.00	
109	10300.00	90.00	89.62	7335.07	-824.87	3551.40	-2340.07	3636.45	0.00	0.00	0.00	
110	10400.00	90.00	89.62	7335.07	-824.22	3651.40	-2340.07	3735.13	0.00	0.00	0.00	
111	10500.00	90.00	89.62	7335.07	-823.56	3751.40	-2340.07	3833.81	0.00	0.00	0.00	
112	10600.00	90.00	89.62	7335.07	-822.91	3851.39	-2340.07	3932.49	0.00	0.00	0.00	
113	10700.00	90.00	89.62	7335.07	-822.25	3951.39	-2340.07	4031.17	0.00	0.00	0.00	
114	10800.00	90.00	89.62	7335.07	-821.59	4051.39	-2340.07	4129.85	0.00	0.00	0.00	
115	10900.00	90.00	89.62	7335.07	-820.94	4151.39	-2340.07	4228.53	0.00	0.00	0.00	
116	11000.00	90.00	89.62	7335.07	-820.28	4251.39	-2340.07	4327.21	0.00	0.00	0.00	
117	11100.00	90.00	89.62	7335.07	-819.63	4351.38	-2340.07	4425.89	0.00	0.00	0.00	
118	11200.00	90.00	89.62	7335.07	-818.97	4451.38	-2340.07	4524.57	0.00	0.00	0.00	
119	11300.00	90.00	89.62	7335.07	-818.32	4551.38	-2340.07	4623.26	0.00	0.00	0.00	
120	11400.00	90.00	89.62	7335.07	-817.66	4651.38	-2340.07	4721.94	0.00	0.00	0.00	
121	11500.00	90.00	89.62	7335.07	-817.01	4751.38	-2340.07	4820.62	0.00	0.00	0.00	
122	11600.00	90.00	89.62	7335.07	-816.35	4851.37	-2340.07	4919.30	0.00	0.00	0.00	
123	11700.00	90.00	89.62	7335.07	-815.69	4951.37	-2340.07	5017.98	0.00	0.00	0.00	
124	11800.00	90.00	89.62	7335.07	-815.04	5051.37	-2340.07	5116.66	0.00	0.00	0.00	
125	11900.00	90.00	89.62	7335.07	-814.38	5151.37	-2340.07	5215.34	0.00	0.00	0.00	
126	11924.00	90.00	89.62	7335.07	-814.23	5175.37	-2340.07	5239.02	0.00	0.00	0.00	

Closure is 5239.0245 feet on an Azimuth of 98.9409