



INTEQ

Wellpath Geographic Report

Report Date:	30-Jan-04	Grid Convergence Angle:	1.05 deg
Client:	ChevronTexaco	Grid Scale Factor:	0.999664
Field:	Captain	Survey / DLS Computation Method:	Minimum Curvature
Structure / Slot:	Captain WPP / Slot #11	Vertical Section Azimuth:	130.92 deg
Well Name:	13/22a-C20	Vertical Section Origin:	8.64S, 3.06W
Wellbore Name:	13/22a-C20 (AWB)	TVD Reference Datum:	RKB
Wellpath Name:	13/22a-C20 Definitive Survey	TVD Reference Elevation:	Rig (Captain WPP 155.0ft above Mean Sea Level)
Grid Coordinate System:	European Datum 1950 / UTM Zone 30 N	Sea Bed / Ground Level Elevation:	-345.50 ft to Mean Sea Level
Slot Location Lat/Long:	N58 18 26.8455, W1 46 6.7593	North Reference:	Grid
Slot Location Grid N/E Y/X:	6463748.6070 m, 572166.4980 m	Local Coordinates Referenced To:	Installation

MD (ft)	Inc (deg)	Azi (deg)	TVD (ft)	TVD(SS) (ft)	N-S (ft)	E-W (ft)	Grid Coordinates		Geographic Coordinates		DLS (deg/100ft)	VS (ft)	Comment
							Northing (m)	Easting (m)	Latitude	Longitude			
0.00	0.00	0.00	0.00	-155.00	-8.64	-3.06	6463748.610	572166.500	N58 18 26.8455	W1 46 6.7593	0.00	0.00	
500.50	0.00	0.00	500.50	345.50	-8.64	-3.06	6463748.610	572166.500	N58 18 26.8455	W1 46 6.7593	0.00	0.00	
510.00	0.34	134.29	510.00	355.00	-8.66	-3.04	6463748.600	572166.500	N58 18 26.8453	W1 46 6.7589	3.58	0.03	
525.00	0.45	121.34	525.00	370.00	-8.72	-2.96	6463748.580	572166.530	N58 18 26.8446	W1 46 6.7574	0.94	0.13	
540.00	0.56	125.88	540.00	385.00	-8.80	-2.85	6463748.560	572166.560	N58 18 26.8439	W1 46 6.7554	0.78	0.26	
555.00	0.66	121.89	555.00	400.00	-8.88	-2.71	6463748.530	572166.600	N58 18 26.8430	W1 46 6.7529	0.72	0.42	
570.00	0.86	126.25	570.00	415.00	-9.00	-2.55	6463748.500	572166.650	N58 18 26.8419	W1 46 6.7499	1.39	0.62	
585.00	1.08	117.64	585.00	429.99	-9.13	-2.33	6463748.460	572166.720	N58 18 26.8405	W1 46 6.7459	1.76	0.87	
600.00	1.18	122.13	599.99	444.99	-9.28	-2.08	6463748.410	572166.800	N58 18 26.8390	W1 46 6.7412	0.89	1.16	
615.00	0.93	122.84	614.99	459.99	-9.43	-1.85	6463748.370	572166.870	N58 18 26.8375	W1 46 6.7368	1.67	1.43	
630.00	1.13	122.73	629.99	474.99	-9.57	-1.62	6463748.320	572166.940	N58 18 26.8360	W1 46 6.7326	1.33	1.70	
645.00	1.33	115.70	644.98	489.98	-9.73	-1.34	6463748.280	572167.020	N58 18 26.8345	W1 46 6.7274	1.67	2.01	
660.00	1.47	118.14	659.98	504.98	-9.89	-1.01	6463748.230	572167.120	N58 18 26.8328	W1 46 6.7214	1.01	2.37	
675.00	1.55	118.04	674.97	519.97	-10.08	-0.66	6463748.170	572167.230	N58 18 26.8309	W1 46 6.7149	0.53	2.75	
687.00	1.74	129.74	686.97	531.97	-10.27	-0.38	6463748.110	572167.310	N58 18 26.8289	W1 46 6.7097	3.21	3.09	
718.00	2.29	133.87	717.95	562.95	-11.00	0.43	6463747.890	572167.560	N58 18 26.8216	W1 46 6.6948	1.83	4.18	
748.00	2.83	143.24	747.92	592.92	-12.01	1.31	6463747.580	572167.830	N58 18 26.8115	W1 46 6.6788	2.27	5.50	
779.00	3.41	135.80	778.87	623.87	-13.29	2.41	6463747.190	572168.160	N58 18 26.7987	W1 46 6.6586	2.28	7.17	
809.00	4.60	142.30	808.80	653.80	-14.88	3.76	6463746.710	572168.580	N58 18 26.7828	W1 46 6.6338	4.24	9.24	
839.00	5.73	144.02	838.68	683.68	-17.04	5.38	6463746.050	572169.070	N58 18 26.7612	W1 46 6.6043	3.80	11.88	
862.00	6.53	140.63	861.55	706.55	-18.98	6.88	6463745.460	572169.530	N58 18 26.7418	W1 46 6.5768	3.82	14.28	
909.00	7.57	138.37	908.19	753.19	-23.36	10.64	6463744.120	572170.670	N58 18 26.6980	W1 46 6.5081	2.29	19.99	
970.00	9.21	137.59	968.53	813.54	-29.97	16.60	6463742.110	572172.490	N58 18 26.6319	W1 46 6.3988	2.69	28.82	
1032.00	10.57	136.89	1029.61	874.61	-37.78	23.83	6463739.730	572174.690	N58 18 26.5536	W1 46 6.2661	2.20	39.41	
1121.00	12.34	133.52	1116.84	961.84	-50.29	36.31	6463735.920	572178.490	N58 18 26.4281	W1 46 6.0369	2.13	57.03	
1212.00	15.12	130.55	1205.23	1050.23	-64.71	52.38	6463731.520	572183.390	N58 18 26.2833	W1 46 5.7411	3.15	78.61	
1302.00	18.62	132.95	1291.34	1136.34	-82.13	71.82	6463726.210	572189.310	N58 18 26.1081	W1 46 5.3832	3.96	104.72	
1426.00	22.24	129.38	1407.53	1252.53	-110.52	104.46	6463717.560	572199.260	N58 18 25.8226	W1 46 4.7822	3.09	147.98	

							Grid Coordinates		Geographic Coordinates				
MD	Inc	Azi	TVD	TVD(SS)	N/-S	E/-W	Northing	Easting	Latitude	Longitude	DLS	VS	Comment
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(m)	(m)			(deg/100ft)	(ft)	
1520.00	24.36	128.50	1493.86	1338.86	-133.88	133.39	6463710.450	572208.070	N58 18 25.5874	W1 46 4.2489	2.29	185.13	
1610.00	27.28	127.80	1574.87	1419.87	-158.08	164.22	6463703.070	572217.470	N58 18 25.3435	W1 46 3.6803	3.26	224.28	
1703.00	28.59	128.53	1657.03	1502.03	-185.01	198.47	6463694.870	572227.900	N58 18 25.0721	W1 46 3.0486	1.46	267.80	
1740.00	29.73	129.56	1689.34	1534.34	-196.36	212.46	6463691.410	572232.170	N58 18 24.9577	W1 46 2.7906	3.37	285.81	
1810.00	30.70	130.00	1749.83	1594.83	-218.90	239.54	6463684.540	572240.420	N58 18 24.7308	W1 46 2.2917	1.42	321.03	