

# 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 #17	Vertical Section Azimuth:	69.85 deg
Well Name:	13/22a-C22	Vertical Section Origin:	2.95N, 2.85W
Wellbore Name:	13/22a-C22 (AWB)	TVD Reference Datum:	RKB
Wellpath Name:	13/22a-C22 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 26.9596, W1 46 6.7514	North Reference:	Grid
Slot Location Grid N/E Y/X:	6463752.1390 m, 572166.5620 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	2.95	-2.85	6463752.140	572166.560	N58 18 26.9596	W1 46 6.7514	0.00	0.00	
500.50	0.00	0.00	500.50	345.50	2.95	-2.85	6463752.140	572166.560	N58 18 26.9596	W1 46 6.7514	0.00	0.00	
525.00	0.18	156.03	525.00	370.00	2.92	-2.83	6463752.130	572166.570	N58 18 26.9592	W1 46 6.7511	0.73	0.00	
550.00	0.32	126.12	550.00	395.00	2.84	-2.76	6463752.100	572166.590	N58 18 26.9585	W1 46 6.7498	0.75	0.04	
575.00	0.38	134.16	575.00	420.00	2.74	-2.65	6463752.070	572166.620	N58 18 26.9575	W1 46 6.7476	0.31	0.12	
600.00	0.37	165.29	600.00	445.00	2.60	-2.56	6463752.030	572166.650	N58 18 26.9561	W1 46 6.7462	0.81	0.15	
625.00	0.39	175.11	625.00	470.00	2.44	-2.54	6463751.980	572166.660	N58 18 26.9545	W1 46 6.7457	0.27	0.12	
650.00	0.29	161.08	650.00	495.00	2.30	-2.51	6463751.940	572166.670	N58 18 26.9531	W1 46 6.7453	0.52	0.09	
675.00	0.34	175.92	675.00	520.00	2.16	-2.48	6463751.900	572166.670	N58 18 26.9518	W1 46 6.7448	0.38	0.07	
679.00	0.33	175.25	679.00	524.00	2.14	-2.48	6463751.890	572166.670	N58 18 26.9515	W1 46 6.7448	0.36	0.06	26.000in Casing
686.50	0.30	173.82	686.50	531.50	2.10	-2.48	6463751.880	572166.670	N58 18 26.9511	W1 46 6.7447	0.36	0.05	
700.00	0.49	137.77	700.00	545.00	2.02	-2.44	6463751.860	572166.690	N58 18 26.9504	W1 46 6.7440	2.25	0.07	
732.00	0.86	113.32	732.00	576.99	1.82	-2.12	6463751.800	572166.780	N58 18 26.9484	W1 46 6.7382	1.44	0.29	
762.00	0.98	105.43	761.99	606.99	1.67	-1.67	6463751.750	572166.920	N58 18 26.9467	W1 46 6.7298	0.58	0.67	
793.00	1.88	78.92	792.98	637.98	1.69	-0.91	6463751.760	572167.150	N58 18 26.9469	W1 46 6.7156	3.53	1.38	
825.00	2.59	73.96	824.96	669.96	1.99	0.30	6463751.850	572167.520	N58 18 26.9496	W1 46 6.6929	2.30	2.62	
854.00	3.28	69.39	853.92	698.92	2.47	1.70	6463751.990	572167.950	N58 18 26.9540	W1 46 6.6664	2.51	4.11	
883.00	4.11	67.06	882.86	727.86	3.17	3.44	6463752.200	572168.480	N58 18 26.9606	W1 46 6.6337	2.91	5.97	
914.00	4.29	69.52	913.77	758.77	4.00	5.54	6463752.460	572169.120	N58 18 26.9685	W1 46 6.5940	0.82	8.24	
945.00	4.87	64.97	944.68	789.68	4.97	7.82	6463752.750	572169.810	N58 18 26.9775	W1 46 6.5510	2.21	10.71	
975.00	5.08	61.63	974.56	819.56	6.14	10.15	6463753.110	572170.520	N58 18 26.9886	W1 46 6.5071	1.19	13.30	
1007.00	5.76	63.73	1006.42	851.42	7.52	12.83	6463753.530	572171.340	N58 18 27.0018	W1 46 6.4564	2.21	16.30	
1037.00	5.86	63.02	1036.27	881.27	8.88	15.55	6463753.950	572172.170	N58 18 27.0147	W1 46 6.4051	0.41	19.31	
1069.00	6.72	65.72	1068.07	913.07	10.39	18.71	6463754.410	572173.130	N58 18 27.0290	W1 46 6.3454	2.84	22.80	
1098.00	6.89	65.55	1096.87	941.87	11.81	21.84	6463754.840	572174.080	N58 18 27.0424	W1 46 6.2864	0.59	26.23	
1130.00	7.29	65.85	1128.62	973.62	13.43	25.44	6463755.330	572175.180	N58 18 27.0578	W1 46 6.2184	1.26	30.17	
1223.00	8.28	66.45	1220.77	1065.77	18.52	36.96	6463756.880	572178.690	N58 18 27.1058	W1 46 6.0011	1.07	42.74	
1285.00	9.57	62.95	1282.01	1127.01	22.65	45.65	6463758.140	572181.340	N58 18 27.1449	W1 46 5.8372	2.26	52.31	

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			
1377.00	11.17	56.85	1372.51	1217.51	31.00	59.92	6463760.690	572185.690	N58 18 27.2246	W1 46 5.5672	2.11	68.59	
1408.00	11.93	58.43	1402.88	1247.88	34.32	65.16	6463761.700	572187.290	N58 18 27.2563	W1 46 5.4680	2.66	74.66	
1436.00	12.59	59.36	1430.24	1275.24	37.39	70.25	6463762.630	572188.840	N58 18 27.2857	W1 46 5.3716	2.46	80.49	
1497.00	13.64	58.70	1489.65	1334.65	44.52	82.12	6463764.800	572192.450	N58 18 27.3537	W1 46 5.1471	1.74	94.09	
1558.00	14.19	60.14	1548.86	1393.86	51.98	94.75	6463767.080	572196.300	N58 18 27.4249	W1 46 4.9082	1.07	108.51	
1587.00	14.57	60.32	1576.95	1421.95	55.55	101.00	6463768.170	572198.210	N58 18 27.4590	W1 46 4.7900	1.32	115.62	
1682.00	16.84	60.36	1668.40	1513.40	68.28	123.35	6463772.040	572205.010	N58 18 27.5803	W1 46 4.3675	2.39	140.98	
1744.00	19.15	60.36	1727.36	1572.36	77.75	139.99	6463774.930	572210.090	N58 18 27.6706	W1 46 4.0528	3.73	159.87	
1775.00	19.08	60.31	1756.66	1601.65	82.77	148.81	6463776.460	572212.770	N58 18 27.7185	W1 46 3.8860	0.23	169.88	
1776.00	19.12	60.33	1757.60	1602.60	82.94	149.10	6463776.510	572212.860	N58 18 27.7200	W1 46 3.8806	4.20	170.20	13 3/8in Casing
1835.00	21.56	61.63	1812.92	1657.92	92.87	167.04	6463779.540	572218.330	N58 18 27.8146	W1 46 3.5416	4.20	190.46	
1925.00	24.65	62.53	1895.69	1740.69	109.39	198.25	6463784.570	572227.840	N58 18 27.9717	W1 46 2.9519	3.46	225.45	
2021.00	28.10	61.85	1981.68	1826.68	129.30	235.96	6463790.640	572239.320	N58 18 28.1610	W1 46 2.2394	3.61	267.71	
2150.00	32.84	60.67	2092.84	1937.84	160.78	293.27	6463800.230	572256.790	N58 18 28.4607	W1 46 1.1561	3.70	332.36	
2243.00	36.37	59.69	2169.37	2014.37	187.06	339.07	6463808.240	572270.740	N58 18 28.7113	W1 46 0.2900	3.84	384.42	
2336.00	40.08	55.89	2242.43	2087.43	217.78	387.69	6463817.600	572285.560	N58 18 29.0051	W1 45 59.3696	4.72	440.64	
2430.00	43.91	53.95	2312.28	2157.28	253.95	439.12	6463828.620	572301.230	N58 18 29.3520	W1 45 58.3948	4.30	501.38	
2523.00	46.98	53.07	2377.52	2222.52	293.36	492.38	6463840.630	572317.460	N58 18 29.7306	W1 45 57.3846	3.37	564.96	
2618.00	51.30	52.66	2439.66	2284.66	336.73	549.64	6463853.840	572334.910	N58 18 30.1475	W1 45 56.2982	4.56	633.66	
2710.00	55.05	53.13	2494.79	2339.79	381.15	608.37	6463867.370	572352.800	N58 18 30.5743	W1 45 55.1840	4.10	704.09	
2834.00	60.17	53.86	2561.19	2406.19	443.40	692.52	6463886.340	572378.440	N58 18 31.1723	W1 45 53.5879	4.16	804.54	
2896.00	60.74	53.41	2591.76	2436.76	475.38	735.95	6463896.090	572391.670	N58 18 31.4794	W1 45 52.7641	1.12	856.33	
2987.00	61.28	52.83	2635.87	2480.87	523.15	799.62	6463910.640	572411.070	N58 18 31.9384	W1 45 51.5563	0.81	932.56	
3079.00	61.45	52.96	2679.96	2524.96	571.87	864.02	6463925.490	572430.690	N58 18 32.4066	W1 45 50.3344	0.22	1009.80	
3121.00	61.56	52.70	2699.99	2544.99	594.17	893.43	6463932.280	572439.660	N58 18 32.6209	W1 45 49.7763	0.60	1045.09	
3170.00	62.50	54.32	2722.98	2567.98	619.90	928.23	6463940.120	572450.260	N58 18 32.8681	W1 45 49.1164	3.49	1086.62	
3260.00	66.05	56.33	2762.04	2607.04	666.00	994.90	6463954.170	572470.570	N58 18 33.3100	W1 45 47.8528	4.43	1165.09	
3351.00	69.53	58.12	2796.43	2641.43	711.58	1065.73	6463968.060	572492.160	N58 18 33.7462	W1 45 46.5116	4.24	1247.29	
3444.00	73.16	60.31	2826.18	2671.18	756.65	1141.42	6463981.790	572515.220	N58 18 34.1764	W1 45 45.0797	4.50	1333.88	
3536.00	76.27	63.06	2850.43	2695.43	798.72	1219.54	6463994.610	572539.020	N58 18 34.5766	W1 45 43.6033	4.44	1421.70	
3628.00	79.21	65.79	2869.97	2714.97	837.51	1300.62	6464006.430	572563.730	N58 18 34.9440	W1 45 42.0726	4.31	1511.19	
3720.00	81.97	67.41	2885.01	2730.01	873.55	1383.91	6464017.410	572589.100	N58 18 35.2839	W1 45 40.5016	3.47	1601.79	
3811.00	84.04	68.50	2896.09	2741.10	907.45	1467.62	6464027.740	572614.610	N58 18 35.6026	W1 45 38.9233	2.57	1692.06	
3903.00	84.99	69.00	2904.89	2749.89	940.64	1552.97	6464037.850	572640.620	N58 18 35.9140	W1 45 37.3146	1.17	1783.62	
3994.00	85.85	69.80	2912.16	2757.16	972.55	1637.88	6464047.570	572666.490	N58 18 36.2129	W1 45 35.7146	1.29	1874.32	
4084.00	86.49	71.35	2918.17	2763.17	1002.42	1722.57	6464056.670	572692.290	N58 18 36.4917	W1 45 34.1195	1.86	1964.11	
4175.00	86.62	71.40	2923.64	2768.64	1031.43	1808.64	6464065.510	572718.520	N58 18 36.7618	W1 45 32.4986	0.15	2054.91	
4266.00	85.71	72.62	2929.72	2774.72	1059.47	1895.00	6464074.060	572744.830	N58 18 37.0223	W1 45 30.8729	1.67	2145.64	
4356.00	85.51	73.42	2936.61	2781.61	1085.68	1980.82	6464082.040	572770.980	N58 18 37.2648	W1 45 29.2577	0.91	2235.24	
4450.00	85.80	72.76	2943.73	2788.73	1112.94	2070.50	6464090.350	572798.310	N58 18 37.5171	W1 45 27.5701	0.77	2328.82	
4541.00	85.25	72.97	2950.83	2795.83	1139.67	2157.19	6464098.490	572824.720	N58 18 37.7646	W1 45 25.9384	0.65	2419.42	
4630.00	86.11	72.86	2957.54	2802.54	1165.74	2242.02	6464106.440	572850.570	N58 18 38.0059	W1 45 24.3418	0.97	2508.04	
4724.00	85.91	73.90	2964.08	2809.08	1192.56	2331.88	6464114.610	572877.950	N58 18 38.2538	W1 45 22.6510	1.12	2601.63	
4814.00	86.20	73.76	2970.27	2815.27	1217.57	2418.11	6464122.230	572904.220	N58 18 38.4843	W1 45 21.0285	0.36	2691.20	

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			
4908.00	86.23	74.27	2976.48	2821.48	1243.40	2508.28	6464130.100	572931.700	N58 18 38.7223	W1 45 19.3322	0.54	2784.75	
4997.00	86.71	73.85	2981.95	2826.96	1267.79	2593.69	6464137.530	572957.720	N58 18 38.9471	W1 45 17.7252	0.72	2873.34	
5089.00	84.99	74.20	2988.61	2833.61	1293.04	2681.91	6464145.230	572984.600	N58 18 39.1797	W1 45 16.0656	1.91	2964.85	
5182.00	86.16	73.90	2995.79	2840.79	1318.52	2771.06	6464152.990	573011.760	N58 18 39.4144	W1 45 14.3884	1.30	3057.32	
5277.00	89.29	73.60	2999.56	2844.56	1345.08	2862.18	6464161.080	573039.530	N58 18 39.6594	W1 45 12.6739	3.31	3152.01	
5370.00	88.11	72.60	3001.67	2846.67	1372.11	2951.14	6464169.320	573066.630	N58 18 39.9094	W1 45 10.9997	1.66	3244.84	
5462.00	85.19	72.70	3007.04	2852.04	1399.50	3038.79	6464177.660	573093.340	N58 18 40.1631	W1 45 9.3498	3.18	3336.56	
5554.00	85.42	72.50	3014.57	2859.57	1426.92	3126.29	6464186.020	573120.000	N58 18 40.4172	W1 45 7.7028	0.33	3428.15	
5644.00	86.80	72.79	3020.68	2865.68	1453.70	3211.99	6464194.180	573146.120	N58 18 40.6653	W1 45 6.0896	1.57	3517.83	
5737.00	87.34	72.13	3025.43	2870.43	1481.69	3300.55	6464202.710	573173.100	N58 18 40.9249	W1 45 4.4225	0.92	3610.61	
5828.00	86.97	71.47	3029.95	2874.95	1510.08	3386.89	6464211.360	573199.410	N58 18 41.1887	W1 45 2.7969	0.83	3701.44	
5924.00	87.57	72.09	3034.52	2879.52	1540.06	3477.97	6464220.490	573227.160	N58 18 41.4673	W1 45 1.0818	0.90	3797.28	
5968.11	87.98	72.24	3036.24	2881.24	1553.56	3519.93	6464224.610	573239.940	N58 18 41.5926	W1 45 0.2919	0.99	3841.32	9 5/8in Casing
6068.00	88.91	72.58	3038.95	2883.95	1583.73	3615.11	6464233.800	573268.950	N58 18 41.8724	W1 44 58.5001	0.99	3941.07	
6163.00	89.66	72.12	3040.13	2885.13	1612.54	3705.63	6464242.580	573296.530	N58 18 42.1395	W1 44 56.7960	0.93	4035.97	
6258.00	90.00	71.88	3040.41	2885.41	1641.89	3795.98	6464251.520	573324.060	N58 18 42.4121	W1 44 55.0949	0.44	4130.91	
6350.00	90.23	71.19	3040.23	2885.23	1671.03	3883.24	6464260.400	573350.650	N58 18 42.6831	W1 44 53.4516	0.79	4222.87	
6444.00	88.08	70.23	3041.61	2886.61	1702.08	3971.95	6464269.860	573377.670	N58 18 42.9727	W1 44 51.7807	2.50	4316.84	
6538.00	89.28	70.67	3043.78	2888.78	1733.52	4060.51	6464279.440	573404.660	N58 18 43.2662	W1 44 50.1124	1.36	4410.81	
6630.00	90.00	72.75	3044.36	2889.36	1762.39	4147.85	6464288.240	573431.270	N58 18 43.5345	W1 44 48.4677	2.39	4502.75	
6724.00	90.29	74.48	3044.12	2889.12	1788.91	4238.03	6464296.320	573458.750	N58 18 43.7791	W1 44 46.7707	1.87	4596.54	
6818.00	91.03	70.71	3043.04	2888.04	1817.02	4327.70	6464304.880	573486.070	N58 18 44.0395	W1 44 45.0827	4.09	4690.41	
6913.00	91.09	75.28	3041.28	2886.28	1844.79	4418.51	6464313.340	573513.740	N58 18 44.2964	W1 44 43.3735	4.81	4785.23	
7007.00	91.26	71.72	3039.35	2884.35	1871.48	4508.61	6464321.470	573541.190	N58 18 44.5427	W1 44 41.6781	3.79	4879.00	
7101.00	90.89	74.03	3037.59	2882.59	1899.15	4598.42	6464329.910	573568.560	N58 18 44.7988	W1 44 39.9876	2.49	4972.85	
7195.00	90.37	73.54	3036.55	2881.55	1925.40	4688.67	6464337.900	573596.060	N58 18 45.0407	W1 44 38.2893	0.76	5066.62	
7288.00	90.77	73.99	3035.63	2880.63	1951.40	4777.96	6464345.830	573623.260	N58 18 45.2804	W1 44 36.6092	0.65	5159.40	
7382.00	91.89	74.28	3033.45	2878.45	1977.09	4868.35	6464353.650	573650.810	N58 18 45.5168	W1 44 34.9084	1.23	5253.11	
7477.00	91.17	74.29	3030.91	2875.91	2002.81	4959.77	6464361.490	573678.660	N58 18 45.7533	W1 44 33.1886	0.76	5347.79	
7568.00	90.54	73.02	3029.55	2874.55	2028.41	5047.08	6464369.290	573705.260	N58 18 45.9894	W1 44 31.5456	1.56	5438.58	
7658.00	91.23	73.42	3028.16	2873.16	2054.39	5133.24	6464377.210	573731.510	N58 18 46.2295	W1 44 29.9240	0.89	5528.41	
7749.00	91.89	73.06	3025.68	2870.68	2080.62	5220.34	6464385.200	573758.050	N58 18 46.4718	W1 44 28.2847	0.83	5619.21	
7842.00	90.86	73.97	3023.45	2868.45	2107.01	5309.49	6464393.240	573785.220	N58 18 46.7152	W1 44 26.6070	1.48	5711.99	
7934.00	90.94	74.61	3022.01	2867.01	2131.91	5398.04	6464400.830	573812.200	N58 18 46.9442	W1 44 24.9410	0.70	5803.71	
8026.00	90.89	74.80	3020.54	2865.54	2156.18	5486.77	6464408.220	573839.230	N58 18 47.1668	W1 44 23.2718	0.21	5895.36	
8118.00	91.26	75.18	3018.81	2863.81	2180.00	5575.61	6464415.480	573866.310	N58 18 47.3851	W1 44 21.6007	0.58	5986.98	
8209.00	90.83	75.42	3017.15	2862.15	2203.09	5663.62	6464422.520	573893.120	N58 18 47.5962	W1 44 19.9455	0.54	6077.55	
8299.00	90.00	75.02	3016.50	2861.50	2226.05	5750.64	6464429.510	573919.640	N58 18 47.8063	W1 44 18.3088	1.02	6167.15	
8389.00	91.34	75.06	3015.45	2860.45	2249.28	5837.58	6464436.590	573946.130	N58 18 48.0191	W1 44 16.6735	1.49	6256.78	
8480.00	90.92	73.91	3013.65	2858.65	2273.61	5925.25	6464444.010	573972.840	N58 18 48.2426	W1 44 15.0242	1.35	6347.46	
8574.00	89.06	73.70	3013.67	2858.67	2299.83	6015.51	6464451.990	574000.340	N58 18 48.4841	W1 44 13.3256	1.99	6441.23	
8667.00	88.63	73.57	3015.55	2860.54	2326.03	6104.73	6464459.980	574027.520	N58 18 48.7257	W1 44 11.6467	0.48	6534.01	
8758.00	88.63	73.57	3017.72	2862.72	2351.76	6191.98	6464467.820	574054.110	N58 18 48.9630	W1 44 10.0046	0.00	6624.79	
8848.00	88.43	73.81	3020.03	2865.03	2377.03	6278.33	6464475.510	574080.420	N58 18 49.1958	W1 44 8.3796	0.35	6714.56	

							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)	
8939.00	88.20	73.81	3022.70	2867.71	2402.39	6365.69	6464483.240	574107.040	N58 18 49.4295	W1 44 6.7358	0.25	6805.30	
9030.00	88.80	73.61	3025.09	2870.09	2427.91	6453.00	6464491.020	574133.640	N58 18 49.6646	W1 44 5.0926	0.69	6896.06	
9121.00	89.43	73.32	3026.49	2871.49	2453.80	6540.23	6464498.910	574160.220	N58 18 49.9035	W1 44 3.4510	0.76	6986.87	
9213.00	88.05	72.78	3028.52	2873.52	2480.62	6628.21	6464507.080	574187.030	N58 18 50.1513	W1 44 1.7949	1.61	7078.70	
9305.00	87.37	73.30	3032.19	2877.19	2507.43	6716.14	6464515.250	574213.820	N58 18 50.3992	W1 44 0.1398	0.93	7170.49	
9396.00	88.48	74.53	3035.49	2880.49	2532.63	6803.51	6464522.920	574240.440	N58 18 50.6311	W1 43 58.4956	1.82	7261.19	
9490.00	88.51	74.11	3037.96	2882.96	2558.02	6893.98	6464530.660	574268.010	N58 18 50.8645	W1 43 56.7934	0.45	7354.88	
9583.00	87.91	73.76	3040.86	2885.86	2583.74	6983.31	6464538.500	574295.230	N58 18 51.1013	W1 43 55.1125	0.75	7447.59	
9675.00	88.28	72.53	3043.92	2888.92	2610.41	7071.31	6464546.620	574322.040	N58 18 51.3475	W1 43 53.4561	1.40	7539.39	
9767.00	87.48	72.58	3047.32	2892.32	2637.97	7159.01	6464555.020	574348.760	N58 18 51.6027	W1 43 51.8049	0.87	7631.22	
9858.00	87.91	71.24	3050.98	2895.98	2666.20	7245.44	6464563.620	574375.100	N58 18 51.8647	W1 43 50.1773	1.55	7722.09	
9925.00	85.79	71.10	3054.66	2899.66	2687.79	7308.76	6464570.200	574394.390	N58 18 52.0656	W1 43 48.9846	3.17	7788.96	
10000.00	83.42	71.10	3061.72	2906.71	2711.97	7379.40	6464577.570	574415.910	N58 18 52.2907	W1 43 47.6540	3.16	7863.61	