

Company: High Sierra Water Services  
WellName: SWD #C7B  
Location: Sec. 34 T7N-R63W

Vertical Section calculated on an Azimuth of: 6.8220

Survey Calculation Method: Minimum Curvature

FileName: F:\WELL REPORTS\High Sierra Water Services (Formerly Conquest)\Conquest SWD #C7b\Directional\Plan\HSWS SWD #C7B, Surveys.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
0	0.00	0.00	6.82	0.00	4730.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	6.82	100.00	4630.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	6.82	200.00	4530.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	6.82	300.00	4430.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	400.00	0.00	6.82	400.00	4330.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	500.00	0.00	6.82	500.00	4230.00	0.00	0.00	0.00	0.00	0.00	0.00	
Int	540.00	0.00	0.00	540.00	4190.00	0.00	0.00	0.00	---	---	---	9-5/8" CSG
7	600.00	0.00	6.82	600.00	4130.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	700.00	0.00	6.82	700.00	4030.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	744.00	0.00	6.82	744.00	3986.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP. B.G. =2°/100'
10	800.00	1.12	6.82	800.00	3930.00	0.54	0.07	0.55	2.00	2.00	0.00	
11	900.00	3.12	6.82	899.92	3830.08	4.22	0.50	4.25	2.00	2.00	0.00	
12	1000.00	5.12	6.82	999.66	3730.34	11.35	1.36	11.43	2.00	2.00	0.00	
13	1100.00	7.12	6.82	1099.08	3630.92	21.93	2.62	22.09	2.00	2.00	0.00	
14	1200.00	9.12	6.82	1198.08	3531.92	35.96	4.30	36.22	2.00	2.00	0.00	
15	1300.00	11.12	6.82	1296.52	3433.48	53.40	6.39	53.79	2.00	2.00	0.00	
16	1400.00	13.12	6.82	1394.28	3335.72	74.25	8.88	74.78	2.00	2.00	0.00	
17	1500.00	15.12	6.82	1491.26	3238.74	98.47	11.78	99.17	2.00	2.00	0.00	
18	1600.00	17.12	6.82	1587.32	3142.68	126.04	15.08	126.94	2.00	2.00	0.00	
19	1700.00	19.12	6.82	1682.36	3047.65	156.92	18.77	158.04	2.00	2.00	0.00	
20	1794.00	21.00	6.82	1770.65	2959.35	188.93	22.60	190.28	2.00	2.00	0.00	EOB, Hold 21°
21	1800.00	21.00	6.82	1776.25	2953.75	191.07	22.86	192.43	0.00	0.00	0.00	
22	1900.00	21.00	6.82	1869.61	2860.39	226.65	27.11	228.27	0.00	0.00	0.00	
23	2000.00	21.00	6.82	1962.97	2767.03	262.23	31.37	264.10	0.00	0.00	0.00	
24	2100.00	21.00	6.82	2056.32	2673.68	297.82	35.63	299.94	0.00	0.00	0.00	
25	2200.00	21.00	6.82	2149.68	2580.32	333.40	39.89	335.78	0.00	0.00	0.00	
26	2300.00	21.00	6.82	2243.04	2486.96	368.98	44.14	371.61	0.00	0.00	0.00	
27	2400.00	21.00	6.82	2336.40	2393.60	404.56	48.40	407.45	0.00	0.00	0.00	
28	2500.00	21.00	6.82	2429.76	2300.24	440.15	52.66	443.29	0.00	0.00	0.00	
29	2600.00	21.00	6.82	2523.11	2206.89	475.73	56.91	479.12	0.00	0.00	0.00	
30	2700.00	21.00	6.82	2616.47	2113.53	511.31	61.17	514.96	0.00	0.00	0.00	
31	2800.00	21.00	6.82	2709.83	2020.17	546.90	65.43	550.80	0.00	0.00	0.00	
32	2900.00	21.00	6.82	2803.19	1926.81	582.48	69.68	586.63	0.00	0.00	0.00	
33	3000.00	21.00	6.82	2896.55	1833.45	618.06	73.94	622.47	0.00	0.00	0.00	
34	3100.00	21.00	6.82	2989.91	1740.09	653.65	78.20	658.31	0.00	0.00	0.00	
35	3200.00	21.00	6.82	3083.26	1646.74	689.23	82.45	694.14	0.00	0.00	0.00	
36	3300.00	21.00	6.82	3176.62	1553.38	724.81	86.71	729.98	0.00	0.00	0.00	
37	3400.00	21.00	6.82	3269.98	1460.02	760.39	90.97	765.82	0.00	0.00	0.00	
38	3500.00	21.00	6.82	3363.34	1366.66	795.98	95.22	801.65	0.00	0.00	0.00	
39	3600.00	21.00	6.82	3456.70	1273.30	831.56	99.48	837.49	0.00	0.00	0.00	
40	3700.00	21.00	6.82	3550.05	1179.95	867.14	103.74	873.33	0.00	0.00	0.00	

Company: High Sierra Water Services  
WellName: SWD #C7B  
Location: Sec. 34 T7N-R63W

Vertical Section calculated on an Azimuth of: 6.8220

Survey Calculation Method: Minimum Curvature

FileName: F:\WELL REPORTS\High Sierra Water Services (Formerly Conquest)\Conquest SWD #C7b\Directional\Plan\HSWS SWD #C7B, Surveys.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
41	3800.00	21.00	6.82	3643.41	1086.59	902.73	108.00	909.16	0.00	0.00	0.00	
42	3900.00	21.00	6.82	3736.77	993.23	938.31	112.25	945.00	0.00	0.00	0.00	
43	4000.00	21.00	6.82	3830.13	899.87	973.89	116.51	980.84	0.00	0.00	0.00	
44	4100.00	21.00	6.82	3923.49	806.51	1009.48	120.77	1016.67	0.00	0.00	0.00	
45	4200.00	21.00	6.82	4016.85	713.15	1045.06	125.02	1052.51	0.00	0.00	0.00	
46	4300.00	21.00	6.82	4110.20	619.80	1080.64	129.28	1088.35	0.00	0.00	0.00	
47	4400.00	21.00	6.82	4203.56	526.44	1116.23	133.54	1124.18	0.00	0.00	0.00	
48	4500.00	21.00	6.82	4296.92	433.08	1151.81	137.79	1160.02	0.00	0.00	0.00	
49	4600.00	21.00	6.82	4390.28	339.72	1187.39	142.05	1195.86	0.00	0.00	0.00	
50	4700.00	21.00	6.82	4483.64	246.36	1222.97	146.31	1231.70	0.00	0.00	0.00	
51	4800.00	21.00	6.82	4576.99	153.01	1258.56	150.56	1267.53	0.00	0.00	0.00	
52	4900.00	21.00	6.82	4670.35	59.65	1294.14	154.82	1303.37	0.00	0.00	0.00	
53	5000.00	21.00	6.82	4763.71	-33.71	1329.72	159.08	1339.21	0.00	0.00	0.00	
54	5100.00	21.00	6.82	4857.07	-127.07	1365.31	163.33	1375.04	0.00	0.00	0.00	
55	5200.00	21.00	6.82	4950.42	-220.42	1400.89	167.59	1410.88	0.00	0.00	0.00	
56	5300.00	21.00	6.82	5043.78	-313.78	1436.47	171.85	1446.72	0.00	0.00	0.00	
57	5400.00	21.00	6.82	5137.14	-407.14	1472.06	176.11	1482.55	0.00	0.00	0.00	
58	5500.00	21.00	6.82	5230.50	-500.50	1507.64	180.36	1518.39	0.00	0.00	0.00	
59	5600.00	21.00	6.82	5323.86	-593.86	1543.22	184.62	1554.23	0.00	0.00	0.00	
60	5700.00	21.00	6.82	5417.21	-687.21	1578.80	188.88	1590.06	0.00	0.00	0.00	
61	5800.00	21.00	6.82	5510.57	-780.57	1614.39	193.13	1625.90	0.00	0.00	0.00	
62	5900.00	21.00	6.82	5603.93	-873.93	1649.97	197.39	1661.74	0.00	0.00	0.00	
63	6000.00	21.00	6.82	5697.29	-967.29	1685.55	201.65	1697.57	0.00	0.00	0.00	
64	6100.00	21.00	6.82	5790.65	-1060.65	1721.14	205.90	1733.41	0.00	0.00	0.00	
65	6200.00	21.00	6.82	5884.00	-1154.00	1756.72	210.16	1769.25	0.00	0.00	0.00	
66	6300.00	21.00	6.82	5977.36	-1247.36	1792.30	214.42	1805.08	0.00	0.00	0.00	
67	6400.00	21.00	6.82	6070.72	-1340.72	1827.89	218.67	1840.92	0.00	0.00	0.00	
68	6500.00	21.00	6.82	6164.08	-1434.08	1863.47	222.93	1876.76	0.00	0.00	0.00	
69	6600.00	21.00	6.82	6257.44	-1527.44	1899.05	227.19	1912.59	0.00	0.00	0.00	
70	6700.00	21.00	6.82	6350.79	-1620.79	1934.63	231.44	1948.43	0.00	0.00	0.00	
71	6800.00	21.00	6.82	6444.15	-1714.15	1970.22	235.70	1984.27	0.00	0.00	0.00	
72	6900.00	21.00	6.82	6537.51	-1807.51	2005.80	239.96	2020.10	0.00	0.00	0.00	
73	7000.00	21.00	6.82	6630.87	-1900.87	2041.38	244.22	2055.94	0.00	0.00	0.00	
74	7100.00	21.00	6.82	6724.23	-1994.23	2076.97	248.47	2091.78	0.00	0.00	0.00	
Int	7108.33	21.00	6.82	6732.00	-2002.00	2079.93	248.83	2094.76	---	---	---	
76	7200.00	21.00	6.82	6817.58	-2087.58	2112.55	252.73	2127.61	0.00	0.00	0.00	
77	7300.00	21.00	6.82	6910.94	-2180.94	2148.13	256.99	2163.45	0.00	0.00	0.00	
78	7400.00	21.00	6.82	7004.30	-2274.30	2183.72	261.24	2199.29	0.00	0.00	0.00	
79	7500.00	21.00	6.82	7097.66	-2367.66	2219.30	265.50	2235.12	0.00	0.00	0.00	
80	7600.00	21.00	6.82	7191.01	-2461.01	2254.88	269.76	2270.96	0.00	0.00	0.00	
Int	7611.77	21.00	6.82	7202.00	-2472.00	2259.07	270.26	2275.18	---	---	---	
						TOD, D.G. = 2°/100'						
82	7688.10	21.00	6.82	7273.26	-2543.26	2286.23	273.51	2302.53	0.00	0.00	0.00	
83	7700.00	20.76	6.82	7284.38	-2554.38	2290.44	274.01	2306.77	2.00	2.00	0.00	
84	7800.00	18.76	6.82	7378.49	-2648.49	2324.01	278.03	2340.58	2.00	2.00	0.00	

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WellName: SWD #C7B  
Location: Sec. 34 T7N-R63W

Vertical Section calculated on an Azimuth of: 6.8220

Survey Calculation Method: Minimum Curvature

FileName: F:\WELL REPORTS\High Sierra Water Services (Formerly Conquest)\Conquest SWD #C7b\Directional\Plan\HSWS SWD #C7B, Surveys.sr5

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
85	7900.00	16.76	6.82	7473.72	-2743.72	2354.30	281.65	2371.09	2.00	2.00	0.00	
86	8000.00	14.76	6.82	7569.95	-2839.95	2381.27	284.88	2398.25	2.00	2.00	0.00	
87	8100.00	12.76	6.82	7667.08	-2937.08	2404.89	287.70	2422.04	2.00	2.00	0.00	
88	8200.00	10.76	6.82	7764.97	-3034.97	2425.13	290.12	2442.42	2.00	2.00	0.00	
89	8300.00	8.76	6.82	7863.52	-3133.52	2441.96	292.14	2459.38	2.00	2.00	0.00	
90	8400.00	6.76	6.82	7962.60	-3232.60	2455.37	293.74	2472.88	2.00	2.00	0.00	
91	8500.00	4.76	6.82	8062.09	-3332.09	2465.34	294.93	2482.92	2.00	2.00	0.00	
92	8600.00	2.76	6.82	8161.87	-3431.87	2471.86	295.71	2489.48	2.00	2.00	0.00	
93	8700.00	0.76	6.82	8261.81	-3531.81	2474.91	296.08	2492.56	2.00	2.00	0.00	
94	8738.10	0.00	6.82	8299.91	-3569.91	2475.16	296.11	2492.81	2.00	2.00	0.00	
95	8800.00	0.00	6.82	8361.81	-3631.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
96	8900.00	0.00	6.82	8461.81	-3731.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
Int	8946.19	0.00	0.00	8508.00	-3778.00	2475.16	296.11	2492.81	---	---	---	
						7" CSG						
Int	8953.19	0.00	0.00	8515.00	-3785.00	2475.16	296.11	2492.81	---	---	---	
99	9000.00	0.00	6.82	8561.81	-3831.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
Int	9083.19	0.00	0.00	8645.00	-3915.00	2475.16	296.11	2492.81	---	---	---	
						LSTKA						
101	9100.00	0.00	6.82	8661.81	-3931.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
102	9200.00	0.00	6.82	8761.81	-4031.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
103	9300.00	0.00	6.82	8861.81	-4131.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
						WFCMP						
Int	9300.19	0.00	0.00	8862.00	-4132.00	2475.16	296.11	2492.81	---	---	---	
Int	9384.19	0.00	0.00	8946.00	-4216.00	2475.16	296.11	2492.81	---	---	---	
106	9400.00	0.00	6.82	8961.81	-4231.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
						AMZN						
Int	9428.19	0.00	0.00	8990.00	-4260.00	2475.16	296.11	2492.81	---	---	---	
108	9500.00	0.00	6.82	9061.81	-4331.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
109	9600.00	0.00	6.82	9161.81	-4431.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
						COUGR						
Int	9612.19	0.00	0.00	9174.00	-4444.00	2475.16	296.11	2492.81	---	---	---	
Int	9658.19	0.00	0.00	9220.00	-4490.00	2475.16	296.11	2492.81	---	---	---	
						VRGL						
112	9700.00	0.00	6.82	9261.81	-4531.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
113	9800.00	0.00	6.82	9361.81	-4631.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
114	9900.00	0.00	6.82	9461.81	-4731.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
						MSSR						
Int	9908.19	0.00	0.00	9470.00	-4740.00	2475.16	296.11	2492.81	---	---	---	
116	10000.00	0.00	6.82	9561.81	-4831.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
117	10100.00	0.00	6.82	9661.81	-4931.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
						FNTN						

July 26,2011  
09:53 AM

PathTracker 5.0.361  
Survey Calculation Program

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Company: High Sierra Water Services  
WellName: SWD #C7B  
Location: Sec. 34 T7N-R63W

Vertical Section calculated on an Azimuth of: 6.8220

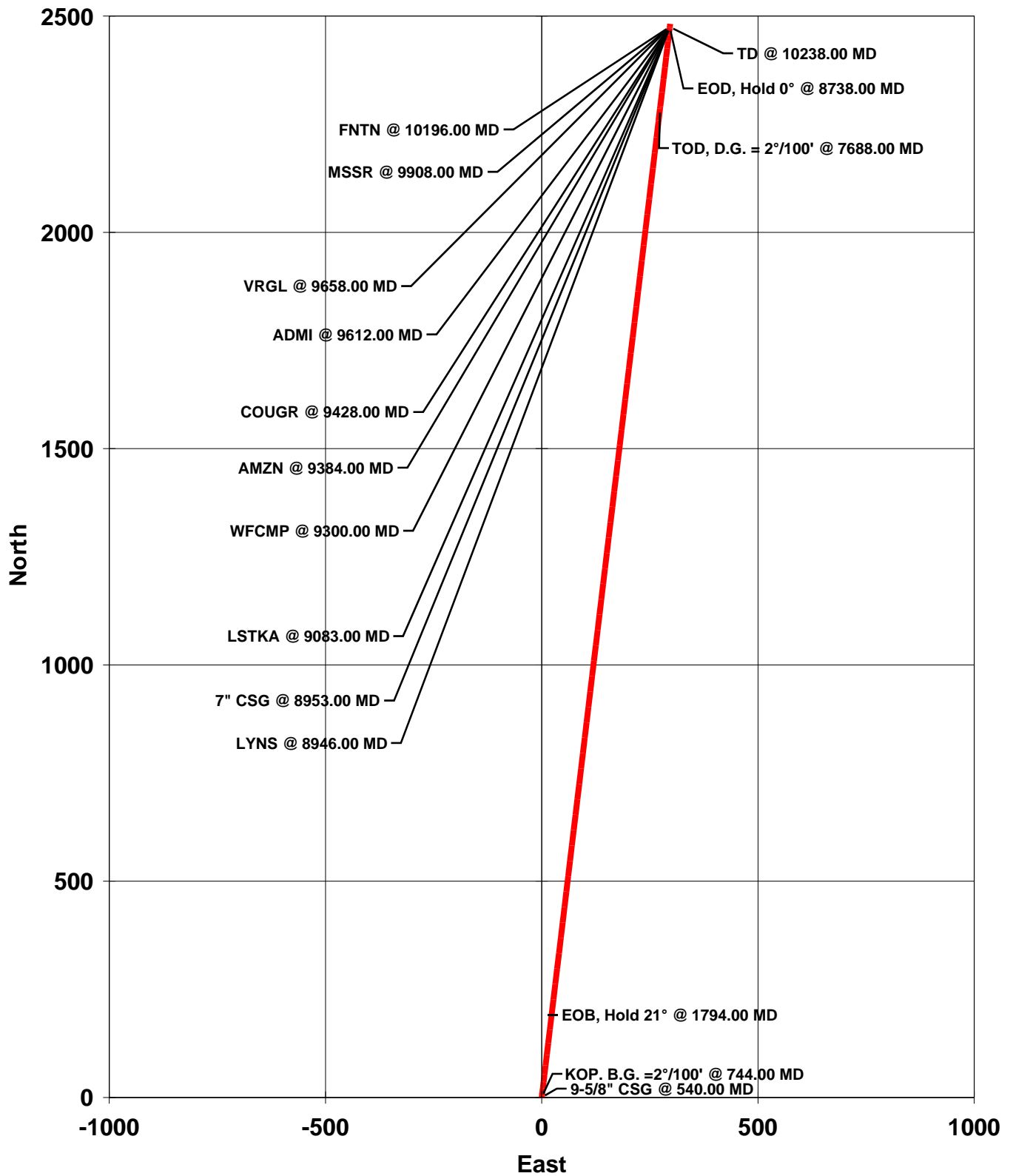
Survey Calculation Method: Minimum Curvature

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#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	SubSea Feet	North Feet	East Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
Int	10196.19	0.00	0.00	9758.00	-5028.00	2475.16	296.11	2492.81	--	--	--	
119	10200.00	0.00	6.82	9761.81	-5031.81	2475.16	296.11	2492.81	0.00	0.00	0.00	
120	10238.19	0.00	6.82	9800.00	-5070.00	2475.16	296.11	2492.81	0.00	0.00	0.00	

Closure is 2492.8101 meters on an Azimuth of 6.8220

Plan View  
SWD #C7B



# Section View SWD #C7B

