

Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
							FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00	0.00	0.00	200.00	5078.00	3146.00	2190.00
BHL	9142	92.90	4798.55	-4747.03	110.24	0.00	4947.03	330.97	3256.24	2079.76
Miss Entry	5006	66.30	4753.74	-623.00	-41.02	10.85	823.00	4455.00	3104.98	2231.02
Top Perf	5026	68.62	4761.42	-641.46	-40.92	11.51	841.46	4436.54	3105.08	2230.92
Bottom Perf	9052	93.03	4803.21	-4657.17	108.55	0.91	4857.17	420.83	3254.55	2081.45

Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
							FNL	FSL	FWL	FEL
0	0.0	0	0	0	0	0	200.00	5078.00	3146.00	2190.00
351	0.93	0.15	350.98	2.85	0.01	0.26	197.15	5080.85	3146.01	2189.99
506	1.00	0.15	505.96	5.46	0.01	0.05	194.54	5083.46	3146.01	2189.99
751	1.41	0.15	750.91	10.61	0.03	0.17	189.39	5088.61	3146.03	2189.97
994	1.99	0.15	993.80	17.82	0.05	0.24	182.18	5095.82	3146.05	2189.95
1047	2.40	158.50	1046.79	17.71	0.46	8.14	182.29	5095.71	3146.46	2189.54
1138	2.20	158.90	1137.71	14.31	1.78	0.22	185.69	5092.31	3147.78	2188.22
1412	1.90	148.40	1411.54	5.53	6.06	0.18	194.47	5083.53	3152.06	2183.94
1602	1.60	143.50	1601.45	0.72	9.28	0.18	199.28	5078.72	3155.28	2180.72
1793	1.30	128.10	1792.39	-2.77	12.58	0.26	202.77	5075.23	3158.58	2177.42
1983	1.10	131.80	1982.35	-5.31	15.63	0.11	205.31	5072.69	3161.63	2174.37
2173	0.90	135.60	2172.32	-7.59	18.04	0.11	207.59	5070.41	3164.04	2171.96
2363	0.80	112.00	2362.30	-9.16	20.31	0.19	209.16	5068.84	3166.31	2169.69
2554	0.60	86.10	2553.28	-9.59	22.54	0.19	209.59	5068.41	3168.54	2167.46
2744	0.50	83.10	2743.27	-9.42	24.36	0.05	209.42	5068.58	3170.36	2165.64
2935	0.70	45.60	2934.26	-8.50	26.02	0.22	208.50	5069.50	3172.02	2163.98
3125	0.40	39.90	3124.26	-7.18	27.27	0.16	207.18	5070.82	3173.27	2162.73
3316	0.40	67.80	3315.25	-6.42	28.32	0.10	206.42	5071.58	3174.32	2161.68
3507	0.20	223.80	3506.25	-6.41	28.71	0.31	206.41	5071.59	3174.71	2161.29
3602	0.20	201.70	3601.25	-6.68	28.53	0.08	206.68	5071.32	3174.53	2161.47
3697	0.10	260.90	3696.25	-6.85	28.39	0.18	206.85	5071.15	3174.39	2161.61
3793	0.20	345.60	3792.25	-6.70	28.26	0.22	206.70	5071.30	3174.26	2161.74
3829	0.30	299.40	3828.25	-6.59	28.16	0.60	206.59	5071.41	3174.16	2161.84
3856	0.40	291.90	3855.25	-6.52	28.02	0.41	206.52	5071.48	3174.02	2161.98
3888	0.70	210.50	3887.25	-6.65	27.81	2.35	206.65	5071.35	3173.81	2162.19
3920	3.20	183.20	3919.23	-7.71	27.66	8.12	207.71	5070.29	3173.66	2162.34
3952	4.40	180.90	3951.16	-9.83	27.59	3.78	209.83	5068.17	3173.59	2162.41
3983	7.30	182.00	3981.99	-12.99	27.51	9.36	212.99	5065.01	3173.51	2162.49
4015	10.40	184.80	4013.61	-17.90	27.19	9.78	217.90	5060.10	3173.19	2162.81
4047	12.40	187.50	4044.97	-24.18	26.50	6.47	224.18	5053.82	3172.50	2163.50
4079	15.30	189.20	4076.04	-31.76	25.38	9.15	231.76	5046.24	3171.38	2164.62
4110	17.50	189.20	4105.78	-40.40	23.98	7.10	240.40	5037.60	3169.98	2166.02
4142	18.90	188.50	4136.17	-50.27	22.45	4.43	250.27	5027.73	3168.45	2167.55
4174	20.80	190.70	4166.27	-60.98	20.62	6.38	260.98	5017.02	3166.62	2169.38
4206	22.80	192.40	4195.98	-72.62	18.24	6.55	272.62	5005.38	3164.24	2171.76
4237	24.70	192.70	4224.36	-84.81	15.52	6.14	284.81	4993.19	3161.52	2174.48
4269	27.40	193.10	4253.10	-98.51	12.38	8.46	298.51	4979.49	3158.38	2177.62
4301	30.10	192.60	4281.16	-113.51	8.96	8.47	313.51	4964.49	3154.96	2181.04
4333	33.00	193.00	4308.42	-129.84	5.25	9.09	329.84	4948.16	3151.25	2184.75

4364	35.60	192.20	4334.03	-146.88	1.45	8.51	346.88	4931.12	3147.45	2188.55
4396	37.80	193.00	4359.69	-165.55	-2.73	7.04	365.55	4912.45	3143.27	2192.73
4428	40.00	193.60	4384.59	-185.10	-7.35	6.98	385.10	4892.90	3138.65	2197.35
4460	41.60	193.30	4408.81	-205.44	-12.22	5.04	405.44	4872.56	3133.78	2202.22
4491	43.10	192.30	4431.72	-225.80	-16.84	5.30	425.80	4852.20	3129.16	2206.84
4523	44.80	190.80	4454.76	-247.56	-21.28	6.23	447.56	4830.44	3124.72	2211.28
4555	46.20	190.10	4477.19	-270.00	-25.42	4.64	470.00	4808.00	3120.58	2215.42
4587	47.60	188.00	4499.05	-293.07	-29.09	6.49	493.07	4784.93	3116.91	2219.09
4618	49.00	186.40	4519.68	-316.04	-31.99	5.94	516.04	4761.96	3114.01	2221.99
4650	49.30	184.40	4540.61	-340.13	-34.26	4.82	540.13	4737.87	3111.74	2224.26
4682	49.50	183.60	4561.43	-364.37	-35.96	2.00	564.37	4713.63	3110.04	2225.96
4714	49.30	183.20	4582.26	-388.62	-37.40	1.14	588.62	4689.38	3108.60	2227.40

4745	48.70	182.90	4602.59	-411.99	-38.64	2.07	611.99	4666.01	3107.36	2228.64
4777	48.40	182.50	4623.78	-435.94	-39.77	1.33	635.94	4642.06	3106.23	2229.77
4809	48.00	181.70	4645.11	-459.78	-40.65	2.24	659.78	4618.22	3105.35	2230.65
4841	49.60	180.40	4666.18	-483.85	-41.09	5.86	683.85	4594.15	3104.91	2231.09
4872	52.50	180.20	4685.67	-507.96	-41.21	9.37	707.96	4570.04	3104.79	2231.21
4904	55.90	179.70	4704.39	-533.91	-41.19	10.70	733.91	4544.09	3104.81	2231.19
4936	58.90	179.70	4721.62	-560.86	-41.05	9.38	760.86	4517.14	3104.95	2231.05
4968	62.20	180.20	4737.36	-588.73	-41.02	10.40	788.73	4489.27	3104.98	2231.02
5000	65.60	179.90	4751.43	-617.46	-41.05	10.66	817.46	4460.54	3104.95	2231.05
5031	69.20	179.50	4763.34	-646.07	-40.90	11.67	846.07	4431.93	3105.10	2230.90
5063	72.40	178.60	4773.87	-676.28	-40.39	10.35	876.28	4401.72	3105.61	2230.39
5095	76.00	178.10	4782.58	-707.06	-39.51	11.35	907.06	4370.94	3106.49	2229.51
5127	79.50	177.90	4789.37	-738.30	-38.41	10.95	938.30	4339.70	3107.59	2228.41
5158	82.80	178.10	4794.13	-768.91	-37.35	10.66	968.91	4309.09	3108.65	2227.35
5184	85.20	178.10	4796.85	-794.75	-36.49	9.23	994.75	4283.25	3109.51	2226.49
5199	86.20	178.20	4797.98	-809.70	-36.01	6.70	1009.70	4268.30	3109.99	2226.01
5238	88.40	178.00	4799.81	-848.64	-34.71	5.66	1048.64	4229.36	3111.29	2224.71
5270	87.70	177.80	4800.90	-880.60	-33.54	2.27	1080.60	4197.40	3112.46	2223.54
5302	87.00	177.50	4802.38	-912.54	-32.23	2.38	1112.54	4165.46	3113.77	2222.23
5334	87.60	176.90	4803.89	-944.46	-30.67	2.65	1144.46	4133.54	3115.33	2220.67
5365	87.60	176.60	4805.19	-975.38	-28.91	0.97	1175.38	4102.62	3117.09	2218.91
5397	88.50	176.10	4806.28	-1007.30	-26.88	3.22	1207.30	4070.70	3119.12	2216.88
5429	88.80	175.80	4807.03	-1039.21	-24.62	1.33	1239.21	4038.79	3121.38	2214.62
5461	89.10	175.90	4807.62	-1071.12	-22.30	0.99	1271.12	4006.88	3123.70	2212.30
5493	90.30	175.90	4807.78	-1103.04	-20.01	3.75	1303.04	3974.96	3125.99	2210.01
5525	90.70	175.90	4807.51	-1134.96	-17.73	1.25	1334.96	3943.04	3128.27	2207.73
5557	91.00	175.90	4807.03	-1166.87	-15.44	0.94	1366.87	3911.13	3130.56	2205.44
5588	91.40	176.00	4806.38	-1197.79	-13.25	1.33	1397.79	3880.21	3132.75	2203.25
5620	90.40	176.20	4805.88	-1229.71	-11.07	3.19	1429.71	3848.29	3134.93	2201.07
5652	90.50	176.50	4805.63	-1261.64	-9.04	0.99	1461.64	3816.36	3136.96	2199.04
5684	90.60	176.20	4805.58	-1293.58	-7.00	0.99	1493.58	3784.42	3139.00	2197.00
5716	90.70	176.20	4804.96	-1325.50	-4.88	0.31	1525.50	3752.50	3141.12	2194.88
5748	90.60	176.10	4804.59	-1357.43	-2.73	0.44	1557.43	3720.57	3143.27	2192.73
5780	91.00	176.40	4804.15	-1389.36	-0.64	1.56	1589.36	3688.64	3145.36	2190.64
5812	90.10	176.70	4803.84	-1421.30	1.29	2.96	1621.30	3656.70	3147.29	2188.71
5844	90.30	177.30	4803.73	-1453.25	2.96	1.98	1653.25	3624.75	3148.96	2187.04
5875	90.40	177.40	4803.54	-1484.22	4.40	0.46	1684.22	3593.78	3150.40	2185.60
5939	89.80	177.30	4803.43	-1548.15	7.35	0.95	1748.15	3529.85	3153.35	2182.65
5971	89.50	177.30	4803.62	-1580.11	8.86	0.94	1780.11	3497.89	3154.86	2181.14
6035	89.60	176.90	4804.13	-1644.03	12.10	0.64	1844.03	3433.97	3158.10	2177.90
6099	90.10	176.60	4804.29	-1707.93	15.73	0.91	1907.93	3370.07	3161.73	2174.27
6131	90.20	176.60	4804.21	-1739.87	17.63	0.31	1939.87	3338.13	3163.63	2172.37
6194	89.70	177.40	4804.26	-1802.78	20.92	1.50	2002.78	3275.22	3166.92	2169.08
6226	89.90	177.50	4804.38	-1834.75	22.35	0.70	2034.75	3243.25	3168.35	2167.65
6290	90.40	177.50	4804.21	-1898.69	25.14	0.78	2098.69	3179.31	3171.14	2164.86
6322	90.60	177.40	4803.93	-1930.66	26.56	0.70	2130.66	3147.34	3172.56	2163.44
6417	90.60	179.30	4802.93	-2025.61	29.30	2.00	2225.61	3052.39	3175.30	2160.70
6481	89.50	179.60	4802.88	-2089.60	29.91	1.78	2289.60	2988.40	3175.91	2160.09
6513	89.60	179.50	4803.13	-2121.60	30.16	0.44	2321.60	2956.40	3176.16	2159.84
6577	89.80	179.30	4803.46	-2185.60	30.83	0.44	2385.60	2892.40	3176.83	2159.17
6609	90.00	179.30	4803.52	-2217.60	31.22	0.62	2417.60	2860.40	3177.22	2158.78
6641	89.10	179.20	4803.77	-2249.59	31.64	2.83	2449.59	2828.41	3177.64	2158.36

6704	88.50	178.40	4805.09	-2312.56	32.96	1.59	2512.56	2765.44	3178.96	2157.04
6736	88.50	178.20	4805.93	-2344.54	33.91	0.62	2544.54	2733.46	3179.91	2156.09
6800	89.20	178.30	4807.21	-2408.49	35.86	1.10	2608.49	2669.51	3181.86	2154.14
6895	89.50	178.80	4808.29	-2503.46	38.27	0.61	2703.46	2574.54	3184.27	2151.73
6991	90.10	179.00	4808.63	-2599.44	40.11	0.66	2799.44	2478.56	3186.11	2149.89
7055	89.80	179.00	4808.68	-2663.43	41.23	0.47	2863.43	2414.57	3187.23	2148.77
7087	89.70	178.80	4808.82	-2695.42	41.84	0.70	2895.42	2382.58	3187.84	2148.16
7119	90.10	179.20	4808.88	-2727.42	42.40	1.77	2927.42	2350.58	3188.40	2147.60
7182	87.00	175.80	4810.47	-2790.32	45.15	7.30	2990.32	2287.68	3191.15	2144.85
7214	86.90	175.50	4812.17	-2822.18	47.57	0.99	3022.18	2255.82	3193.57	2142.43
7246	87.00	175.40	4813.88	-2854.04	50.10	0.44	3054.04	2223.96	3196.10	2139.90
7278	87.90	177.30	4815.30	-2885.94	52.14	6.56	3085.94	2192.06	3198.14	2137.86
7342	89.00	180.00	4817.03	-2949.89	53.65	4.55	3149.89	2128.11	3199.65	2136.35
7374	89.50	180.80	4817.45	-2981.89	53.42	2.95	3181.89	2096.11	3199.42	2136.58
7406	89.20	180.60	4817.81	-3013.88	53.03	1.13	3213.88	2064.12	3199.03	2136.97
7469	89.30	180.50	4818.64	-3076.87	52.43	0.22	3276.87	2001.13	3198.43	2137.57
7501	89.20	181.00	4819.06	-3108.87	52.01	1.59	3308.87	1969.13	3198.01	2137.99
7565	89.10	181.00	4820.01	-3172.85	50.89	0.16	3372.85	1905.15	3196.89	2139.11

7629	88.70	179.40	4821.24	-3236.84	50.67	2.58	3436.84	1841.16	3196.67	2139.33
7661	88.80	179.20	4821.93	-3268.83	51.06	0.70	3468.83	1809.17	3197.06	2138.94
7692	85.10	177.60	4823.58	-3299.77	51.92	13.00	3499.77	1778.23	3197.92	2138.08
7724	85.80	174.60	4826.12	-3331.59	54.09	9.60	3531.59	1746.41	3200.09	2135.91
7756	86.10	174.40	4828.38	-3363.36	57.15	1.13	3563.36	1714.64	3203.15	2132.85
7788	88.20	174.20	4829.97	-3395.16	60.33	6.59	3595.16	1682.84	3206.33	2129.67
7851	90.40	173.80	4830.74	-3457.81	66.91	3.55	3657.81	1620.19	3212.91	2123.09
7883	91.10	173.60	4830.32	-3489.61	70.42	2.28	3689.61	1588.39	3216.42	2119.58
7947	92.40	175.40	4828.37	-3553.28	76.55	3.47	3753.28	1524.72	3222.55	2113.45
7979	92.70	175.50	4826.95	-3585.15	79.09	0.99	3785.15	1492.85	3225.09	2110.91
8043	92.40	177.30	4824.10	-3648.96	83.10	2.85	3848.96	1429.04	3229.10	2106.90
8138	91.40	177.70	4820.95	-3743.81	87.24	1.13	3943.81	1334.19	3233.24	2102.76
8170	91.30	177.30	4820.20	-3775.77	88.64	1.29	3975.77	1302.23	3234.64	2101.36
8234	90.60	178.60	4819.13	-3839.72	90.93	2.31	4039.72	1238.28	3236.93	2099.07
8298	90.10	178.10	4818.74	-3903.69	92.77	1.10	4103.69	1174.31	3238.77	2097.23
8330	89.80	178.00	4818.77	-3935.68	93.86	0.99	4135.68	1142.32	3239.86	2096.14
8393	89.90	178.00	4818.94	-3998.64	96.06	0.16	4198.64	1079.36	3242.06	2093.94
8425	90.60	178.10	4818.80	-4030.62	97.15	2.21	4230.62	1047.38	3243.15	2092.85
8521	91.00	177.30	4817.46	-4126.53	101.00	0.93	4326.53	951.47	3247.00	2089.00
8616	91.00	178.90	4815.80	-4221.46	104.15	1.68	4421.46	856.54	3250.15	2085.85
8648	90.80	179.00	4815.30	-4253.45	104.74	0.70	4453.45	824.55	3250.74	2085.26
8712	89.50	179.20	4815.13	-4317.44	105.74	2.06	4517.44	760.56	3251.74	2084.26
8808	92.20	179.90	4813.70	-4413.42	106.49	2.91	4613.42	664.58	3252.49	2083.51
8903	91.90	179.90	4810.31	-4508.36	106.66	0.32	4708.36	569.64	3252.66	2083.34
8999	93.20	179.00	4806.03	-4604.26	107.58	1.65	4804.26	473.74	3253.58	2082.42
9094	92.90	178.90	4800.98	-4699.10	109.32	0.33	4899.10	378.90	3255.32	2080.68
9142	92.90	178.90	4798.55	-4747.03	110.24	0.00	4947.03	330.97	3256.24	2079.76