

1-3-M

Measured		Sub-Sea Vertical		Local Coordinates		UTM Coordinates		Vertical		Dogleg
Depth	Incl.	Azim.	Depth	Depth	Northings	Eastings	Northings	Eastings	Section	Rate
(ft)		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°/100ft)		
0.00	0.000	0.000	-8142.64	0.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
100.00	0.000	0.000	-8042.64	100.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
200.00	0.000	0.000	-7942.64	200.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
300.00	0.000	0.000	-7842.64	300.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
400.00	0.000	0.000	-7742.64	400.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
500.00	0.000	0.000	-7642.64	500.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
600.00	0.000	0.000	-7542.64	600.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
631.28	0.000	0.000	-7511.36	631.28	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
700.00	0.000	0.000	-7442.64	700.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
800.00	0.000	0.000	-7342.64	800.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
900.00	0.000	0.000	-7242.64	900.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
926.00	0.000	0.000	-7216.64	926.00	0.00 N	0.00 E	1384224.257 N	3080051.717 E	0.00	0.00
976.01	1.500	88.352	-7166.64	976.00	0.02 N	0.65 E	1384224.276 N	3080052.371 E	0.65	3.00
1000.00	2.220	88.352	-7142.66	999.98	0.04 N	1.43 E	1384224.298 N	3080053.150 E	1.43	3.00

1100.00	5.220	88.352	-7042.88	1099.76	0.23 N	7.92 E	1384224.485 N	3080059.634 E	7.92	3.00
1200.00	8.220	88.352	-6943.58	1199.06	0.56 N	19.61 E	1384224.821 N	3080071.329 E	19.62	3.00
1300.00	11.220	88.352	-6845.03	1297.61	1.05 N	36.49 E	1384225.306 N	3080088.203 E	36.50	3.00
1400.00	14.220	88.352	-6747.49	1395.15	1.68 N	58.49 E	1384225.939 N	3080110.208 E	58.52	3.00
1500.00	17.220	88.352	-6651.24	1491.40	2.46 N	85.57 E	1384226.718 N	3080137.286 E	85.61	3.00
1600.00	20.220	88.352	-6556.54	1586.10	3.38 N	117.65 E	1384227.641 N	3080169.362 E	117.70	3.00
1700.00	23.220	88.352	-6463.65	1678.99	4.45 N	154.64 E	1384228.705 N	3080206.348 E	154.70	3.00
1800.00	26.220	88.352	-6372.83	1769.81	5.65 N	196.44 E	1384229.907 N	3080248.142 E	196.52	3.00
1900.00	29.220	88.352	-6284.31	1858.33	6.99 N	242.93 E	1384231.245 N	3080294.630 E	243.03	3.00
2000.00	32.220	88.352	-6198.36	1944.28	8.46 N	293.98 E	1384232.713 N	3080345.685 E	294.10	3.00
2100.00	35.220	88.352	-6115.19	2027.45	10.05 N	349.47 E	1384234.309 N	3080401.166 E	349.61	3.00
2129.46	36.104	88.352	-6091.26	2051.38	10.55 N	366.63 E	1384234.803 N	3080418.331 E	366.79	3.00
2200.00	38.220	88.352	-6035.04	2107.60	11.77 N	409.23 E	1384236.028 N	3080460.922 E	409.40	3.00
2255.90	39.897	88.352	-5991.64	2151.00	12.78 N	444.43 E	1384237.041 N	3080496.126 E	444.62	3.00
2300.00	41.220	88.352	-5958.13	2184.51	13.61 N	473.10 E	1384237.866 N	3080524.788 E	473.29	3.00
2400.00	44.220	88.352	-5884.67	2257.97	15.56 N	540.90 E	1384239.816 N	3080592.590 E	541.13	3.00
2500.00	47.220	88.352	-5814.87	2327.77	17.62 N	612.46 E	1384241.874 N	3080664.143 E	612.71	3.00
2592.67	50.000	88.352	-5753.60	2389.04	19.62 N	681.94 E	1384243.873 N	3080733.624 E	682.23	3.00

2600.00	50.000	88.352	-5748.89	2393.75	19.78 N	687.56 E	1384244.035 N	3080739.239 E	687.84	0.00
2700.00	50.000	88.352	-5684.61	2458.03	21.98 N	764.13 E	1384246.237 N	3080815.808 E	764.45	0.00
2799.95	50.000	88.352	-5620.36	2522.28	24.18 N	840.67 E	1384248.439 N	3080892.342 E	841.02	0.00
2800.00	50.000	88.352	-5620.33	2522.31	24.18 N	840.70 E	1384248.440 N	3080892.377 E	841.05	0.00
2879.47	50.000	88.352	-5569.25	2573.39	25.93 N	901.55 E	1384250.190 N	3080953.222 E	901.93	0.00
2900.00	50.000	88.352	-5556.05	2586.59	26.39 N	917.28 E	1384250.642 N	3080968.946 E	917.66	0.00
2960.10	50.000	88.352	-5517.42	2625.22	27.71 N	963.30 E	1384251.966 N	3081014.963 E	963.70	0.00
3000.00	50.000	88.352	-5491.77	2650.87	28.59 N	993.85 E	1384252.845 N	3081045.514 E	994.26	0.00
3100.00	50.000	88.352	-5427.50	2715.14	30.79 N	1070.42 E	1384255.048 N	3081122.083 E	1070.87	0.00
3200.00	50.000	88.352	-5363.22	2779.42	33.00 N	1147.00 E	1384257.250 N	3081198.652 E	1147.47	0.00
3246.49	50.000	88.352	-5333.33	2809.31	34.02 N	1182.59 E	1384258.274 N	3081234.247 E	1183.08	0.00
3300.00	50.000	88.352	-5298.94	2843.70	35.20 N	1223.57 E	1384259.453 N	3081275.221 E	1224.07	0.00
3367.11	50.000	88.352	-5255.80	2886.84	36.68 N	1274.95 E	1384260.931 N	3081326.605 E	1275.48	0.00
3388.48	49.679	88.352	-5242.02	2900.62	37.15 N	1291.28 E	1384261.401 N	3081342.932 E	1291.82	1.50
3400.00	49.507	88.352	-5234.55	2908.09	37.40 N	1300.05 E	1384261.653 N	3081351.698 E	1300.59	1.50
3497.71	48.041	88.352	-5170.16	2972.48	39.51 N	1373.50 E	1384263.766 N	3081425.148 E	1374.07	1.50
3500.00	48.007	88.352	-5168.63	2974.01	39.56 N	1375.21 E	1384263.815 N	3081426.852 E	1375.78	1.50
3600.00	46.507	88.352	-5100.76	3041.88	41.67 N	1448.62 E	1384265.926 N	3081500.256 E	1449.21	1.50

3700.00	45.007	88.352	-5030.99	3111.65	43.73 N	1520.22 E	1384267.986 N	3081571.859 E	1520.85	1.50
3800.00	43.507	88.352	-4959.37	3183.27	45.74 N	1589.98 E	1384269.993 N	3081641.612 E	1590.64	1.50
3822.46	43.170	88.352	-4943.03	3199.61	46.18 N	1605.39 E	1384270.436 N	3081657.020 E	1606.05	1.50
3900.00	42.007	88.352	-4885.95	3256.69	47.69 N	1657.84 E	1384271.945 N	3081709.467 E	1658.52	1.50
4000.00	40.507	88.352	-4810.77	3331.87	49.59 N	1723.75 E	1384273.841 N	3081775.377 E	1724.46	1.50
4100.00	39.007	88.352	-4733.90	3408.74	51.43 N	1787.68 E	1384275.680 N	3081839.299 E	1788.42	1.50
4173.38	37.906	88.352	-4676.43	3466.21	52.74 N	1833.29 E	1384276.992 N	3081884.915 E	1834.05	1.50
4200.00	37.507	88.352	-4655.37	3487.27	53.21 N	1849.57 E	1384277.460 N	3081901.186 E	1850.33	1.50
4300.00	36.007	88.352	-4575.26	3567.38	54.93 N	1909.38 E	1384279.181 N	3081960.999 E	1910.17	1.50
4400.00	34.507	88.352	-4493.60	3649.04	56.59 N	1967.08 E	1384280.840 N	3082018.694 E	1967.89	1.50
4454.07	33.696	88.352	-4448.83	3693.81	57.46 N	1997.38 E	1384281.712 N	3082048.994 E	1998.21	1.50
4500.00	33.007	88.352	-4410.47	3732.17	58.18 N	2022.62 E	1384282.438 N	3082074.233 E	2023.46	1.50
4600.00	31.507	88.352	-4325.90	3816.74	59.72 N	2075.97 E	1384283.972 N	3082127.578 E	2076.83	1.50
4700.00	30.007	88.352	-4239.97	3902.67	61.19 N	2127.09 E	1384285.443 N	3082178.692 E	2127.97	1.50
4800.00	28.507	88.352	-4152.73	3989.91	62.59 N	2175.94 E	1384286.848 N	3082227.540 E	2176.84	1.50
4890.06	27.156	88.352	-4073.08	4069.56	63.80 N	2217.97 E	1384288.057 N	3082269.567 E	2218.88	1.50
4900.00	27.007	88.352	-4064.24	4078.40	63.93 N	2222.49 E	1384288.187 N	3082274.089 E	2223.41	1.50
5000.00	25.507	88.352	-3974.56	4168.08	65.21 N	2266.71 E	1384289.459 N	3082318.306 E	2267.65	1.50

5100.00	24.007	88.352	-3883.75	4258.89	66.41 N	2308.57 E	1384290.663 N	3082360.162 E	2309.52	1.50
5100.44	24.000	88.352	-3883.35	4259.29	66.41 N	2308.75 E	1384290.668 N	3082360.341 E	2309.70	1.50
5200.00	24.000	88.352	-3792.40	4350.24	67.58 N	2349.22 E	1384291.833 N	3082400.816 E	2350.20	0.00
5300.00	24.000	88.352	-3701.04	4441.60	68.75 N	2389.88 E	1384293.002 N	3082441.471 E	2390.87	0.00
5400.00	24.000	88.352	-3609.69	4532.95	69.92 N	2430.54 E	1384294.172 N	3082482.126 E	2431.54	0.00
5500.00	24.000	88.352	-3518.33	4624.31	71.09 N	2471.19 E	1384295.341 N	3082522.781 E	2472.22	0.00
5600.00	24.000	88.352	-3426.98	4715.66	72.26 N	2511.85 E	1384296.511 N	3082563.435 E	2512.89	0.00
5700.00	24.000	88.352	-3335.62	4807.02	73.43 N	2552.51 E	1384297.680 N	3082604.090 E	2553.56	0.00
5800.00	24.000	88.352	-3244.27	4898.37	74.60 N	2593.16 E	1384298.850 N	3082644.745 E	2594.24	0.00
5900.00	24.000	88.352	-3152.91	4989.73	75.77 N	2633.82 E	1384300.019 N	3082685.399 E	2634.91	0.00
6000.00	24.000	88.352	-3061.56	5081.08	76.94 N	2674.48 E	1384301.189 N	3082726.054 E	2675.58	0.00
6100.00	24.000	88.352	-2970.20	5172.44	78.11 N	2715.13 E	1384302.358 N	3082766.709 E	2716.26	0.00
6200.00	24.000	88.352	-2878.85	5263.79	79.27 N	2755.79 E	1384303.528 N	3082807.363 E	2756.93	0.00
6300.00	24.000	88.352	-2787.50	5355.14	80.44 N	2796.45 E	1384304.697 N	3082848.018 E	2797.61	0.00
6400.00	24.000	88.352	-2696.14	5446.50	81.61 N	2837.11 E	1384305.867 N	3082888.673 E	2838.28	0.00
6500.00	24.000	88.352	-2604.79	5537.85	82.78 N	2877.76 E	1384307.036 N	3082929.328 E	2878.95	0.00
6600.00	24.000	88.352	-2513.43	5629.21	83.95 N	2918.42 E	1384308.206 N	3082969.982 E	2919.63	0.00
6700.00	24.000	88.352	-2422.08	5720.56	85.12 N	2959.08 E	1384309.375 N	3083010.637 E	2960.30	0.00

6800.00	24.000	88.352	-2330.72	5811.92	86.29 N	2999.73 E	1384310.545 N	3083051.292 E	3000.97	0.00
6900.00	24.000	88.352	-2239.37	5903.27	87.46 N	3040.39 E	1384311.714 N	3083091.946 E	3041.65	0.00
7000.00	24.000	88.352	-2148.01	5994.63	88.63 N	3081.05 E	1384312.884 N	3083132.601 E	3082.32	0.00
7100.00	24.000	88.352	-2056.66	6085.98	89.80 N	3121.70 E	1384314.053 N	3083173.256 E	3122.99	0.00
7200.00	24.000	88.352	-1965.30	6177.34	90.97 N	3162.36 E	1384315.223 N	3083213.911 E	3163.67	0.00
7300.00	24.000	88.352	-1873.95	6268.69	92.14 N	3203.02 E	1384316.392 N	3083254.565 E	3204.34	0.00
7400.00	24.000	88.352	-1782.60	6360.04	93.31 N	3243.67 E	1384317.562 N	3083295.220 E	3245.02	0.00
7500.00	24.000	88.352	-1691.24	6451.40	94.48 N	3284.33 E	1384318.731 N	3083335.875 E	3285.69	0.00
7600.00	24.000	88.352	-1599.89	6542.75	95.65 N	3324.99 E	1384319.901 N	3083376.529 E	3326.36	0.00
7700.00	24.000	88.352	-1508.53	6634.11	96.82 N	3365.64 E	1384321.070 N	3083417.184 E	3367.04	0.00
7800.00	24.000	88.352	-1417.18	6725.46	97.99 N	3406.30 E	1384322.240 N	3083457.839 E	3407.71	0.00
7900.00	24.000	88.352	-1325.82	6816.82	99.16 N	3446.96 E	1384323.409 N	3083498.493 E	3448.38	0.00
8000.00	24.000	88.352	-1234.47	6908.17	100.33 N	3487.61 E	1384324.579 N	3083539.148 E	3489.06	0.00
8100.00	24.000	88.352	-1143.11	6999.53	101.50 N	3528.27 E	1384325.748 N	3083579.803 E	3529.73	0.00
8200.00	24.000	88.352	-1051.76	7090.88	102.67 N	3568.93 E	1384326.918 N	3083620.458 E	3570.40	0.00
8300.00	24.000	88.352	-960.40	7182.24	103.84 N	3609.59 E	1384328.087 N	3083661.112 E	3611.08	0.00
8400.00	24.000	88.352	-869.05	7273.59	105.01 N	3650.24 E	1384329.257 N	3083701.767 E	3651.75	0.00
8500.00	24.000	88.352	-777.70	7364.94	106.17 N	3690.90 E	1384330.426 N	3083742.422 E	3692.43	0.00

8600.00	24.000	88.352	-686.34	7456.30	107.34 N	3731.56 E	1384331.596 N	3083783.076 E	3733.10	0.00
8700.00	24.000	88.352	-594.99	7547.65	108.51 N	3772.21 E	1384332.765 N	3083823.731 E	3773.77	0.00
8772.22	24.000	88.352	-529.01	7613.63	109.36 N	3801.58 E	1384333.610 N	3083853.092 E	3803.15	0.00
8776.61	24.000	88.352	-525.00	7617.64	109.41 N	3803.36 E	1384333.661 N	3083854.877 E	3804.93	0.00
8800.00	24.000	88.352	-503.63	7639.01	109.68 N	3812.87 E	1384333.935 N	3083864.386 E	3814.45	0.00
8900.00	24.000	88.352	-412.28	7730.36	110.85 N	3853.53 E	1384335.104 N	3083905.040 E	3855.12	0.00
9000.00	24.000	88.352	-320.92	7821.72	112.02 N	3894.18 E	1384336.274 N	3083945.695 E	3895.79	0.00
9100.00	24.000	88.352	-229.57	7913.07	113.19 N	3934.84 E	1384337.443 N	3083986.350 E	3936.47	0.00
9200.00	24.000	88.352	-138.21	8004.43	114.36 N	3975.50 E	1384338.613 N	3084027.005 E	3977.14	0.00
9300.00	24.000	88.352	-46.86	8095.78	115.53 N	4016.15 E	1384339.782 N	3084067.659 E	4017.82	0.00
9400.00	24.000	88.352	44.50	8187.14	116.70 N	4056.81 E	1384340.952 N	3084108.314 E	4058.49	0.00
9500.00	24.000	88.352	135.85	8278.49	117.87 N	4097.47 E	1384342.121 N	3084148.969 E	4099.16	0.00
9600.00	24.000	88.352	227.20	8369.84	119.04 N	4138.12 E	1384343.291 N	3084189.623 E	4139.84	0.00
9700.00	24.000	88.352	318.56	8461.20	120.21 N	4178.78 E	1384344.460 N	3084230.278 E	4180.51	0.00
9800.00	24.000	88.352	409.91	8552.55	121.38 N	4219.44 E	1384345.630 N	3084270.933 E	4221.18	0.00
9900.00	24.000	88.352	501.27	8643.91	122.55 N	4260.09 E	1384346.799 N	3084311.588 E	4261.86	0.00
10000.00	24.000	88.352	592.62	8735.26	123.72 N	4300.75 E	1384347.969 N	3084352.242 E	4302.53	0.00
10100.00	24.000	88.352	683.98	8826.62	124.89 N	4341.41 E	1384349.138 N	3084392.897 E	4343.20	0.00

10200.00	24.000	88.352	775.33	8917.97	126.06 N	4382.07 E	1384350.308 N	3084433.552 E	4383.88	0.00
10226.30	24.000	88.352	799.36	8942.00	126.37 N	4392.76 E	1384350.615 N	3084444.245 E	4394.58	0.00