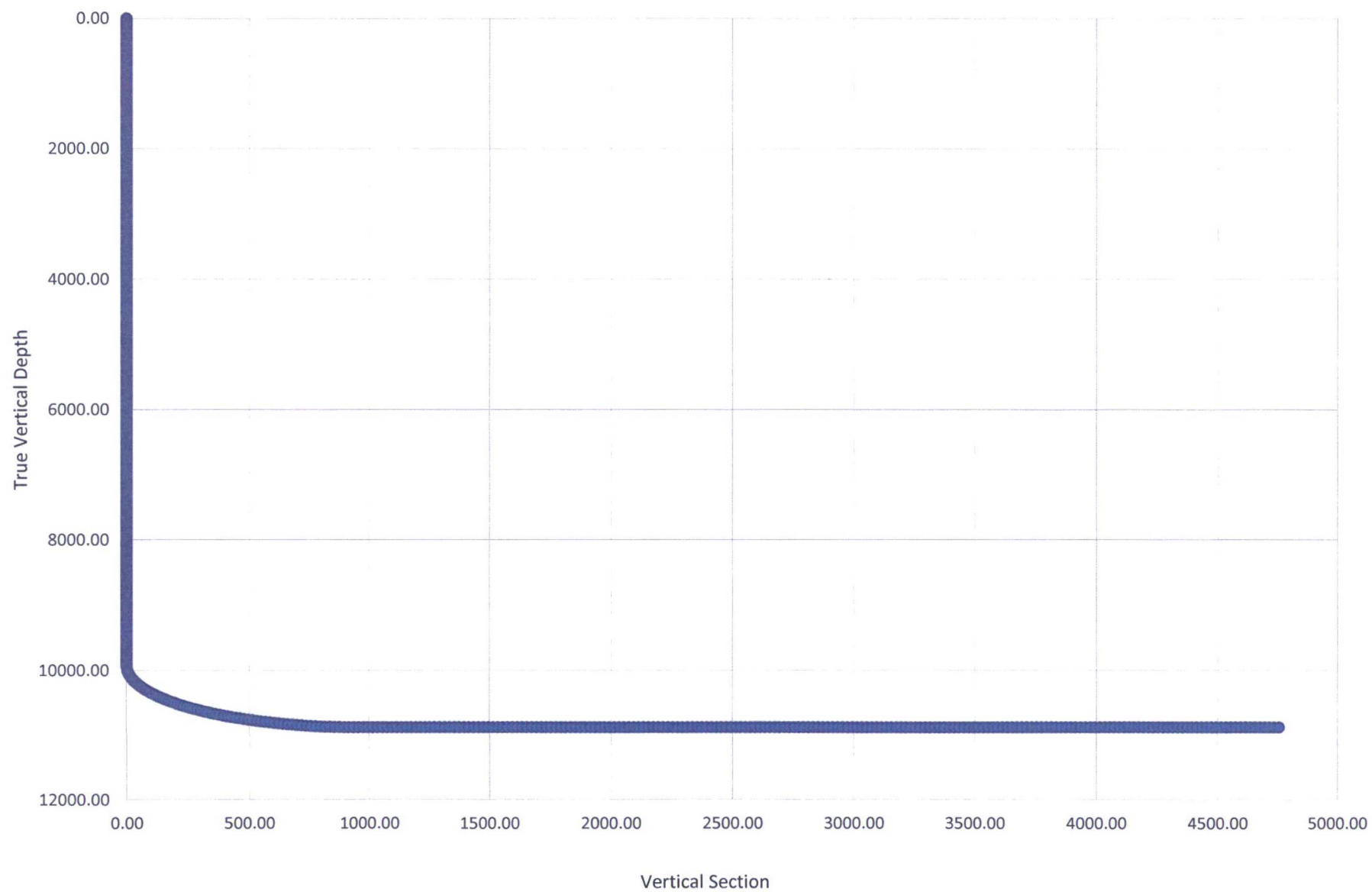


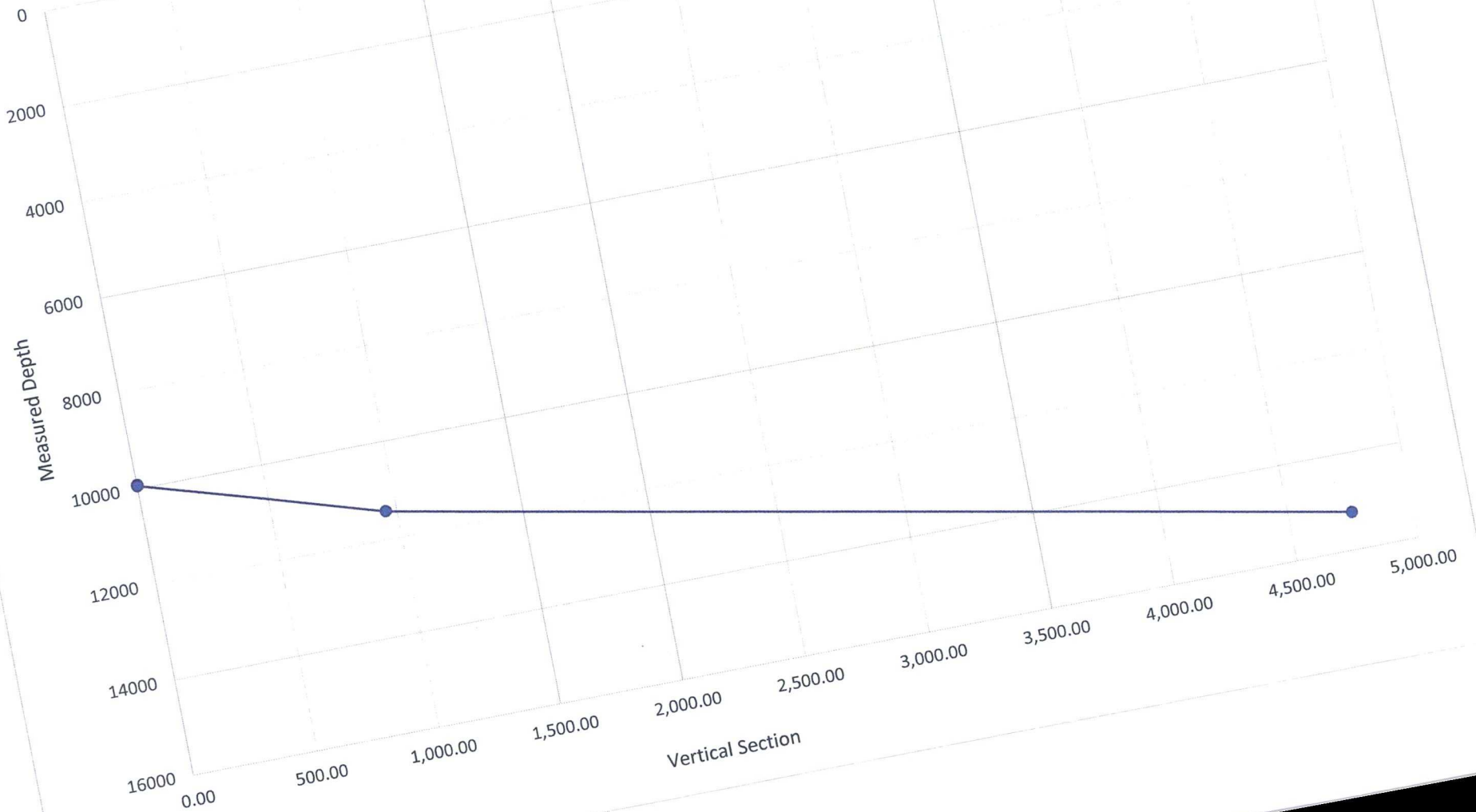
Lea Fed 10 1H HORIZONTAL WELLBORE SAMPLE								Notes
MD	Inc	Az	TVD	N	E	DLS	V/S	
ft	deg	deg	ft	ft	ft	deg/100'	ft	
0	0	0	0.00	0.00	0.00			
9,920	0	0	9,920.00	0.00	0.00	0.00	0.00	
9,940	1.2	183.5	9,940.00	-0.21	0.03	6.00	0.21	
11,420	90	183.5	10,874.50	-953.20	58.30	6.00	955.00	Intersection of Green sand
15,220	90	183.5	10,874.50	-4,746.00	290.00	0.00	4,755.00	Wellbore dipping with sand

BSL
27 October 2016

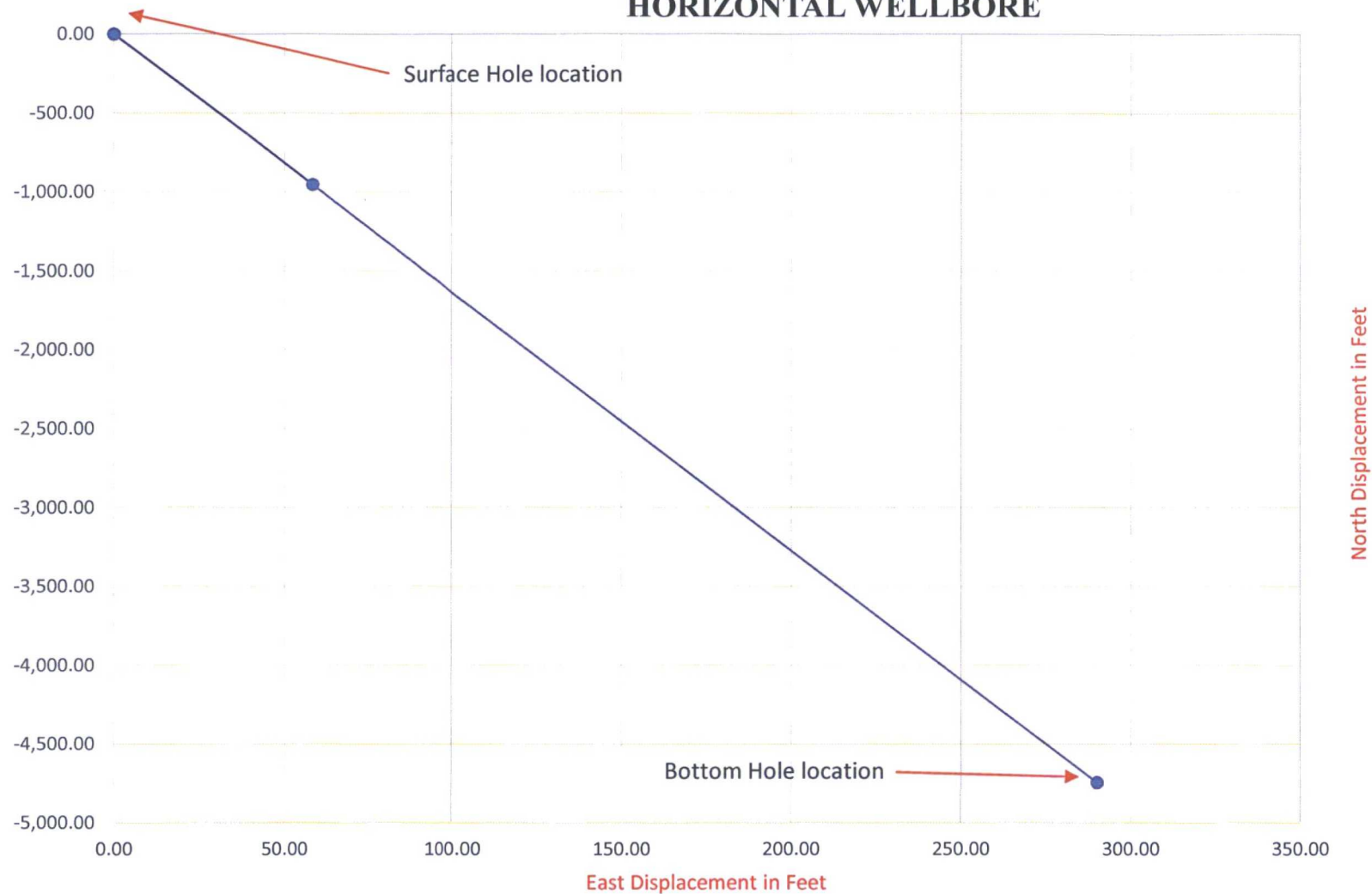
Lea 10 Fed 1H
H - Horizontal Well



Lea Fed 1H
Vertical Section against Measured Depth
HORIZONTAL WELLBORE EXAMPLE



Lea 10 Fed 1H
Plan View
HORIZONTAL WELLBORE



Lea 10 Fed 1H NE/NE 10-20S-34E

Ground Level
Kelly Bushing

3650.8

Subsea Wolfcamp top	-7275
TVD Wolfcamp top	10925.8

x (East) Meters	y (North) Meters	x (East) Feet	y (North) Feet
636886.9	3607258.8	2088989.0	11831808.9
636974.5	3605812.6	2089276.4	11827065.3

Build 6 Degree per 100 Feet			
	10875.8	87.61	-146.2
TVD 3rd Bone Spring green horizontal TD at 10864		287.4	-4743.5
	2089279.3	11827062.8	

MD	Inc	Az	TVD	VS	+N/S	+E/W

				2088989	11831808.9
0.00	0.00	0.00	0.00	636152.9	3607179.11
	183.50			2086581.3	11831547.5

20.00	0.00	183.50	20.00	0.00	0.00	2088989.0	11831808.9
40.00	0.00	183.50	40.00	0.00	0.00	2088989.0	11831808.9

60.00	0.00	183.50	60.00	0.00	0.00	2089989.0	1183.1808.9
80.00	0.00	183.50	80.00	0.00	0.00	2089989.0	1183.1808.9

100.00	0.00	183.50	100.00	0.00	0.00	2089989.0	11831808.9
120.00	0.00	183.50	120.00	0.00	0.00	2089989.0	11831808.9

140.00	0.00	183.50	140.00	0.00	0.00	208989.0	11831808.9
160.00	0.00	183.50	160.00	0.00	0.00	208989.0	11831808.9

180.00	0.00	183.50	180.00	0.00	0.00	2088989.0	11831808.9
200.00	0.00	183.50	200.00	0.00	0.00	2088989.0	11831808.9

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240.00	0.00	183.50	240.00	0.00	2085989.0	11831808.9	14831808.9
260.00	0.00	183.50	260.00	0.00	2085989.0	11831808.9	14831808.9
280.00	0.00	183.50	280.00	0.00	2085989.0	11831808.9	14831808.9

280.00	0.00	13.50	280.00	0.00	0.00	2089389.0	11831808.9
300.00	0.00	183.50	300.00	0.00	0.00	2089389.0	11831808.9

320,00	0,00	183,50	320,00	0,00	0,00	2088989,0	11831808,9
340,00	0,00	183,50	340,00	0,00	0,00	2088989,0	11831808,9

360,00	0,00	183,50	360,00	0,00	0,00	2089989,0
380,00	0,00	183,50	380,00	0,00	0,00	2089989,0

400.00	0.00	183.50	400.00	0.00	0.00	2089389.0
420.00	0.00	183.50	420.00	0.00	0.00	2089389.0

440.00	0.00	183.50	440.00	0.00	0.00	2089989.0	11831808.9
460.00	0.00	183.50	460.00	0.00	0.00	2089989.0	11831808.9

480.00	0.00	183.50	480.00	0.00	0.00	2088989.0	11831808.9
500.00	0.00	183.50	500.00	0.00	0.00	2088989.0	11831808.9

520.00	0.00	183.50	520.00	0.00	0.00	2088989.0	11831808.9
540.00	0.00	183.50	540.00	0.00	0.00	2088989.0	11831808.9

560.00	0.00	183.50	560.00	0.00	0.00	2088989.0	11831808.9
580.00	0.00	183.50	580.00	0.00	0.00	2088989.0	11831808.9

620.00	0.00	183.50	620.00	0.00	0.00	0.00	0.00	2088989.0	11831808.9	2088989.0	11831808.9
600.00	0.00	183.50	600.00	0.00	0.00	0.00	0.00	2088989.0	11831808.9	2088989.0	11831808.9

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700.00	0.00	183.50	700.00	0.00	0.00	2089889.9	11831808.9
720.00	0.00	183.50	720.00	0.00	0.00	2089889.9	11831808.9

740.00	0.00	183.50	740.00	0.00	0.00	2088989.0	11831808.9
760.00	0.00	183.50	760.00	0.00	0.00	2088989.0	11831808.9

780,00	0,00	183,50	780,00	0,00	0,00	2088989,0	11831808,9
800,00	0,00	183,50	800,00	0,00	0,00	2088989,0	11831808,9

820.00	0.00	183.50	820.00	0.00	0.00	2088989.0	11831808.9
840.00	0.00	183.50	840.00	0.00	0.00	2088989.0	11831808.9

860.00	0.00	183.50	860.00	0.00	0.00	2088989.0	11831808.9
880.00	0.00	183.50	880.00	0.00	0.00	2088989.0	11831808.9

900.00	0.00	183.50	900.00	0.00	0.00	2089989.0	11831808.9
920.00	0.00	183.50	920.00	0.00	0.00	2089989.0	11831808.9

940.00	0.00	183.50	940.00	0.00	0.00	2088989.0	11831808.9
960.00	0.00	183.50	960.00	0.00	0.00	2088989.0	11831808.9

980,00	0,00	183,50	980,00	0,00	0,00	2089989,0	11831808,9

[illegible]

10920.00	60.00	183.50	10747.01	477.47	-476.58	29.15		2089018.2	11831332.3	1.20	1.80	0.061	1.051	17.183	17.215	59.4	20.000	20.000	60.000	17.215	10.181	17.215	0.105	100.000	954.930	477.465
10940.00	61.20	183.50	10756.83	494.90	-493.97	30.21		2089019.2	11831314.9	1.20	1.80	0.061	1.064	17.392	17.424	60.6	20.000	20.000	61.200	17.424	9.818	17.424	0.105	100.000	954.930	477.465
10960.00	62.40	183.50	10766.28	512.52	-511.57	31.29		2089020.3	11831297.3	1.20	1.80	0.061	1.076	17.593	17.626	61.8	20.000	20.000	62.400	17.626	9.451	17.626	0.105	100.000	954.930	477.465
10980.00	63.60	183.50	10775.36	530.34	-529.35	32.38		2089021.4	11831279.5	1.20	1.80	0.061	1.088	17.787	17.820	63	20.000	20.000	63.600	17.820	9.080	17.820	0.105	100.000	954.930	477.465
11000.00	64.80	183.50	10784.06	548.35	-547.33	33.48		2089022.5	11831261.5	1.20	1.80	0.061	1.099	17.973	18.006	64.2	20.000	20.000	64.800	18.006	8.705	18.006	0.105	100.000	954.930	477.465
11020.00	66.00	183.50	10792.39	566.54	-565.48	34.59		2089023.6	11831243.4	1.20	1.80	0.061	1.110	18.151	18.185	65.4	20.000	20.000	66.000	18.185	8.336	18.185	0.105	100.000	954.930	477.465
11040.00	67.20	183.50	10800.33	584.89	-583.80	35.71		2089024.7	11831225.1	1.20	1.80	0.061	1.121	18.331	18.355	66.6	20.000	20.000	67.200	18.355	7.963	18.355	0.105	100.000	954.930	477.465
11060.00	68.40	183.50	10807.89	603.41	-602.28	36.84		2089025.9	11831206.6	1.20	1.80	0.061	1.130	18.483	18.517	67.8	20.000	20.000	68.400	18.517	7.557	18.517	0.105	100.000	954.930	477.465
11080.00	69.60	183.50	10815.05	622.08	-620.92	37.98		2089027.0	11831187.9	1.20	1.80	0.061	1.140	18.637	18.672	69	20.000	20.000	69.600	18.672	7.167	18.672	0.105	100.000	954.930	477.465
11100.00	70.80	183.50	10821.83	640.90	-639.70	39.13		2089028.2	11831169.2	1.20	1.80	0.061	1.149	18.783	18.818	70.2	20.000	20.000	70.800	18.818	6.775	18.818	0.105	100.000	954.930	477.465
11120.00	72.00	183.50	10828.21	659.85	-658.62	40.28		2089029.3	11831150.2	1.20	1.80	0.061	1.157	18.920	18.955	71.4	20.000	20.000	72.000	18.955	6.379	18.955	0.105	100.000	954.930	477.465
11140.00	73.20	183.50	10834.19	678.94	-677.67	41.45		2089030.4	11831131.2	1.20	1.80	0.061	1.165	19.049	19.085	72.6	20.000	20.000	73.200	19.085	5.981	19.085	0.105	100.000	954.930	477.465
11160.00	74.40	183.50	10839.77	698.14	-696.84	42.62		2089031.7	11831112.0	1.20	1.80	0.061	1.172	19.170	19.206	73.8	20.000	20.000	74.400	19.206	5.580	19.206	0.105	100.000	954.930	477.465
11180.00	75.60	183.50	10844.95	717.46	-716.12	43.80		2089032.8	11831092.7	1.20	1.80	0.061	1.179	19.282	19.319	75	20.000	20.000	75.600	19.319	5.176	19.319	0.105	100.000	954.930	477.465
11200.00	76.80	183.50	10849.72	736.88	-735.51	44.99		2089034.0	11831073.4	1.20	1.80	0.061	1.186	19.386	19.423	76.2	20.000	20.000	76.800	19.423	4.771	19.423	0.105	100.000	954.930	477.465
11220.00	78.00	183.50	10854.08	756.40	-754.99	46.18		2089035.2	11831053.9	1.20	1.80	0.061	1.192	19.482	19.518	77.4	20.000	20.000	78.000	19.518	4.363	19.518	0.105	100.000	954.930	477.465
11240.00	79.20	183.50	10858.03	776.01	-774.56	47.37		2089036.4	11831034.3	1.20	1.80	0.061	1.197	19.569	19.605	78.6	20.000	20.000	79.200	19.605	3.953	19.605	0.105	100.000	954.930	477.465
11260.00	80.40	183.50	10861.57	795.69	-794.21	48.58		2089037.6	11831014.7	1.20	1.80	0.061	1.202	19.647	19.684	79.8	20.000	20.000	80.400	19.684	3.542	19.684	0.105	100.000	954.930	477.465
11280.00	81.60	183.50	10864.70	815.45	-813.92	49.78		2089038.8	11830994.9	1.20	1.80	0.061	1.206	19.717	19.754	81	20.000	20.000	81.600	19.754	3.129	19.754	0.105	100.000	954.930	477.465
11300.00	82.80	183.50	10867.42	835.26	-833.70	50.99		2089040.0	11830975.2	1.20	1.80	0.061	1.210	19.778	19.815	82.2	20.000	20.000	82.800	19.815	2.714	19.815	0.105	100.000	954.930	477.465
11320.00	84.00	183.50	10869.72	855.13	-853.53	52.20		2089041.2	11830955.3	1.20	1.80	0.061	1.213	19.830	19.867	83.4	20.000	20.000	84.000	19.867	2.299	19.867	0.105	100.000	954.930	477.465
11340.00	85.20	183.50	10871.60	875.04	-873.41	53.42		2089042.5	11830935.5	1.20	1.80	0.061	1.216	19.874	19.911	84.6	20.000	20.000	85.200	19.911	1.882	19.911	0.105	100.000	954.930	477.465
11360.00	86.40	183.50	10873.06	894.99	-893.32	54.64		2089043.7	11830915.5	1.20	1.80	0.061	1.218	19.909	19.946	85.8	20.000	20.000	86.400	19.946	1.465	19.946	0.105	100.000	954.930	477.465
11380.00	87.60	183.50	10874.11	914.96	-913.25	55.86		2089044.9	11830895.5	1.20	1.80	0.061	1.219	19.935	19.973	87	20.000	20.000	87.600	19.973	1.047	19.973	0.105	100.000	954.930	477.465
11400.00	88.80	183.50	10874.74	934.95	-933.20	57.08		2089046.1	11830875.7	1.20	1.80	0.061	1.220	19.953	19.990	88.2	20.000	20.000	88.800	19.990	0.628	19.990	0.105	100.000	954.930	477.465
11420.00	90.00	183.50	10874.53	954.95	-953.17	58.30		2089047.3	11830855.7	1.20	1.80	0.061	1.221	19.962	19.999	89.4	20.000	20.000	90.000	19.999	0.209	19.999	0.105	100.000	954.930	477.465
11440.00	90.00	183.50	10874.53	974.95	-973.13	59.52		2089048.5	11830835.8	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11460.00	90.00	183.50	10874.53	994.95	-993.09	60.74		2089049.8	11830815.8	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11480.00	90.00	183.50	10874.53	1014.95	-1013.05	61.96		2089051.0	11830795.8	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11500.00	90.00	183.50	10874.53	1034.95	-1033.02	63.18		2089052.2	11830775.8	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11520.00	90.00	183.50	10874.53	1054.95	-1052.98	64.40		2089053.4	11830755.9	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11540.00	90.00	183.50	10874.53	1074.95	-1072.94	65.62		2089054.7	11830735.9	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11560.00	90.00	183.50	10874.53	1094.95	-1092.90	66.84		2089055.9	11830716.0	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11580.00	90.00	183.50	10874.53	1114.95	-1112.87	68.07		2089057.1	11830696.0	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11600.00	90.00	183.50	10874.53	1134.95	-1132.83	69.29		2089058.3	11830676.0	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11620.00	90.00	183.50	10874.53	1154.95	-1152.79	70.51		2089059.5	11830656.1	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11640.00	90.00	183.50	10874.53	1174.95	-1172.76	71.73		2089060.8	11830636.1	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11660.00	90.00	183.50	10874.53	1194.95	-1192.72	72.95		2089062.0	11830616.1	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11680.00	90.00	183.50	10874.53	1214.95	-1212.68	74.17		2089063.2	11830596.2	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11700.00	90.00	183.50	10874.53	1234.95	-1232.64	75.39		2089064.4	11830576.2	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11720.00	90.00	183.50	10874.53	1254.95	-1252.61	76.61		2089065.6	11830556.3	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000	20.000	0.105	100.000	954.930	477.465
11740.00	90.00	183.50	10874.53	1274.95	-1272.57	77.83		2089066.9	11830536.3	0.00	0.00	0.061	1.221	19.963	20.000	90	20.000	20.000	90.000	20.000	0.000</					

