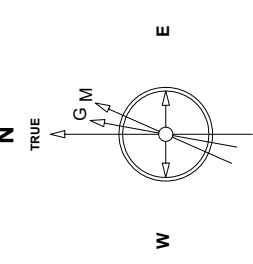


Great Western Operating Company, LLC

Location	Colorado	Slot	C-10 - Postle IC 09-222HN
Field	Wattenburg	Well	Postle IC 09-222HN
Installation	Postle West	Wellbore	Postle IC 09-222HN (AWB)

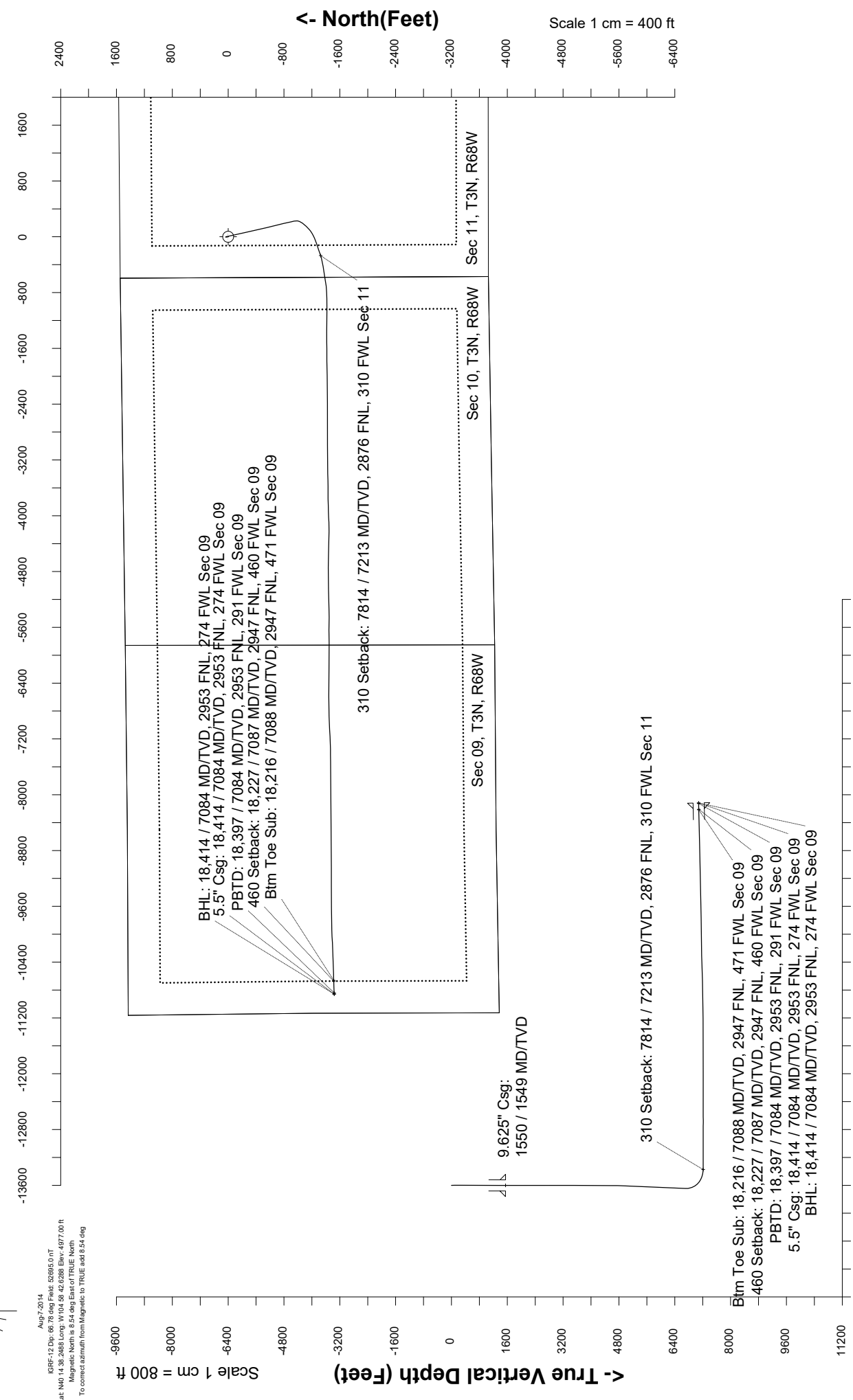
Created by: rmbount
 Date plotted: 12-May-2020
 Plot reference is Postle IC 09-222HN (AWB).
 Ref wellpath is Postle IC 09-222HN (AWP#1).
 Coordinates are in Feet reference C10 - Postle IC 09-222HN.
 True Vertical Depths are reference Rig Datum.
 Measured Depths are reference Rig Datum.
 Rig Datum: Actual Datum #1
 Rig Datum to Mean Sea Level: 4997.00 ft.
 Plot North is aligned to TRUE North.



Aug 7, 2014
 IGRF-12.Dat (62.76 deg Field) S2685.0.0T
 Lat: N40 14.38 2488 Long: W104 58 42.6288 Elev: 4977.00 ft
 Magnetic North is 9.54 deg East of TRUE North
 To correct azimuth from Magnetic to TRUE add 8.54 deg

Scale 1 cm = 400 ft

East (Feet) ->



Scale 1 cm = 800 ft

Vertical Section (Feet) ->

Azimuth 262.03 with reference 0.00 N, 0.00 E from C-10 - Postle IC 09-222HN

<- North(Feet)

Scale 1 cm = 400 ft

Great Western Operating Co, LLC
 Directional Survey Report
 Wellpath: Postle IC 09-222HN
 MDs and TVDs are from Rig Floor 4997.0ft above Mean Sea Level

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	DLS [deg/100ft]	Vertical Section[ft]
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.00	0.79	215.89	92.00	-0.51	-0.37	0.00	0.44
180.00	0.48	182.76	179.99	-1.37	-0.75	0.00	0.93
272.00	0.70	4.60	271.99	-1.20	-0.72	0.00	0.88
364.00	1.58	359.77	363.97	0.63	-0.68	0.00	0.58
454.00	2.02	357.92	453.93	3.46	-0.74	0.00	0.26
544.00	2.15	2.05	543.87	6.73	-0.74	0.00	-0.20
634.00	2.15	1.00	633.80	10.10	-0.65	0.00	-0.76
724.00	1.71	346.15	723.75	13.10	-0.94	0.00	-0.88
813.00	2.15	358.36	812.70	16.05	-1.31	0.00	-0.93
903.00	2.64	358.45	902.62	19.81	-1.41	0.00	-1.35
993.00	2.99	3.20	992.51	24.23	-1.34	0.00	-2.04
1083.00	1.93	350.28	1082.43	28.07	-1.46	0.00	-2.44
1173.00	1.14	335.33	1172.40	30.37	-2.09	0.00	-2.14
1263.00	0.31	127.74	1262.39	31.04	-2.27	0.00	-2.05
1353.00	0.22	87.92	1352.39	30.90	-1.91	0.00	-2.39
1443.00	0.13	337.27	1442.39	31.00	-1.77	0.00	-2.54
1499.00	0.40	109.37	1498.39	30.99	-1.61	0.00	-2.70
1622.00	0.04	273.56	1621.39	30.85	-1.25	0.00	-3.04
1711.00	0.19	135.43	1710.39	30.75	-1.18	0.00	-3.10
1801.00	0.11	272.91	1800.39	30.64	-1.16	0.00	-3.10
1891.00	0.16	297.19	1890.39	30.71	-1.36	0.00	-2.91
1981.00	0.00	98.07	1980.39	30.76	-1.47	0.00	-2.81
2070.00	0.22	304.32	2069.39	30.86	-1.61	0.00	-2.68
2160.00	0.27	299.11	2159.39	31.06	-1.94	0.00	-2.39
2250.00	0.14	231.76	2249.39	31.10	-2.21	0.00	-2.12
2339.00	0.18	195.12	2338.39	30.89	-2.33	0.00	-1.97
2429.00	0.00	98.07	2428.39	30.76	-2.37	0.00	-1.92
2519.00	0.18	308.26	2518.39	30.84	-2.48	0.00	-1.82
2608.00	0.25	127.43	2607.39	30.81	-2.44	0.00	-1.86
2698.00	0.49	277.97	2697.39	30.75	-2.66	0.00	-1.63
2788.00	0.41	358.85	2787.39	31.12	-3.05	0.00	-1.29
2877.00	0.11	110.76	2876.38	31.41	-2.97	0.00	-1.41
2967.00	0.22	300.93	2966.38	31.47	-3.04	0.00	-1.35
3057.00	0.47	283.39	3056.38	31.64	-3.55	0.00	-0.87
3146.00	0.07	317.34	3145.38	31.77	-3.94	0.00	-0.50
3236.00	0.11	3.11	3235.38	31.89	-3.97	0.00	-0.49
3326.00	0.99	74.89	3325.38	32.18	-3.22	0.00	-1.27
3415.00	2.77	123.64	3414.33	31.19	-0.69	0.00	-3.64
3505.00	0.98	152.87	3504.28	29.30	1.48	0.00	-5.52
3594.00	0.07	126.09	3593.27	28.59	1.87	0.00	-5.81
3684.00	0.17	125.87	3683.27	28.48	2.02	0.00	-5.95
3773.00	0.07	47.21	3772.27	28.44	2.17	0.00	-6.09
3863.00	1.57	325.78	3862.26	29.50	1.51	0.00	-5.59
3953.00	0.19	67.58	3952.25	30.58	0.96	0.00	-5.19
4042.00	0.03	247.97	4041.25	30.62	1.07	0.00	-5.31
4132.00	0.15	281.39	4131.25	30.64	0.94	0.00	-5.17
4222.00	1.11	155.05	4221.25	29.87	1.19	0.00	-5.32
4311.00	4.47	174.34	4310.13	25.64	1.89	0.00	-5.43
4401.00	6.42	170.86	4399.72	17.18	3.04	0.00	-5.39
4491.00	8.41	168.72	4488.96	5.75	5.13	0.00	-5.87
4581.00	11.96	169.11	4577.53	-9.86	8.18	0.00	-6.73
4670.00	13.61	169.80	4664.32	-29.23	11.77	0.00	-7.61
4760.00	16.59	167.42	4751.20	-52.19	16.45	0.00	-9.05
4850.00	18.64	167.05	4836.98	-78.75	22.47	0.00	-11.34
4939.00	22.25	164.79	4920.36	-108.88	30.08	0.00	-14.70
5029.00	25.75	164.69	5002.57	-144.19	39.72	0.00	-19.35
5119.00	25.66	169.10	5083.67	-182.19	48.56	0.00	-22.84
5208.00	25.44	169.96	5163.96	-219.93	55.54	0.00	-24.52
5298.00	25.25	166.33	5245.31	-257.62	63.45	0.00	-27.12
5388.00	25.38	166.87	5326.66	-295.06	72.36	0.00	-30.77
5478.00	25.84	166.98	5407.82	-332.95	81.16	0.00	-34.23
5568.00	25.98	167.21	5488.78	-371.28	89.95	0.00	-37.62
5657.00	25.78	167.36	5568.85	-409.18	98.50	0.00	-40.83
5747.00	25.96	166.57	5649.83	-447.44	107.36	0.00	-44.30
5837.00	25.83	166.87	5730.79	-485.69	116.38	0.00	-47.94

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	DLS [deg/100ft]	Vertical Section[ft]
5926.00	25.73	167.09	5810.94	-523.40	125.11	0.00	-51.35
6016.00	25.64	167.19	5892.04	-561.43	133.79	0.00	-54.68
6106.00	26.00	165.91	5973.06	-599.55	142.91	0.00	-58.42
6195.00	26.22	166.55	6052.98	-637.60	152.23	0.00	-62.38
6285.00	26.17	166.63	6133.73	-676.24	161.44	0.00	-66.15
6375.00	26.00	166.90	6214.57	-714.76	170.50	0.00	-69.78
6465.00	26.07	166.36	6295.43	-753.19	179.64	0.00	-73.50
6554.00	26.08	165.83	6375.38	-791.17	189.04	0.00	-77.55
6644.00	26.12	167.53	6456.20	-829.69	198.16	0.00	-81.24
6734.00	25.67	166.76	6537.16	-868.01	206.90	0.00	-84.59
6824.00	25.86	167.74	6618.22	-906.17	215.54	0.00	-87.85
6913.00	26.26	167.09	6698.17	-944.33	224.06	0.00	-91.00
7003.00	28.49	182.44	6778.18	-985.24	227.60	0.00	-88.83
7093.00	31.84	204.14	6856.22	-1028.49	216.94	0.00	-72.28
7182.00	33.91	220.41	6931.11	-1068.90	191.19	0.00	-41.18
7272.00	43.47	220.03	7001.28	-1111.82	154.92	0.00	0.69
7362.00	51.83	228.19	7061.91	-1159.24	108.51	0.00	53.22
7451.00	57.90	239.94	7113.22	-1201.58	49.62	0.00	117.42
7541.00	66.48	246.37	7155.21	-1237.31	-21.37	0.00	192.67
7630.00	73.43	251.77	7185.71	-1267.06	-99.41	0.00	274.08
7720.00	80.85	250.86	7205.73	-1295.16	-182.47	0.00	360.23
7810.00	89.91	249.99	7212.97	-1325.19	-266.90	0.00	448.01
7899.00	89.42	260.70	7213.50	-1347.68	-352.88	0.00	536.27
7989.00	90.46	260.52	7213.59	-1362.36	-441.67	0.00	626.24
8079.00	90.03	260.82	7213.21	-1376.95	-530.48	0.00	716.22
8169.00	90.18	259.21	7213.04	-1392.55	-619.11	0.00	806.16
8258.00	89.88	264.27	7212.99	-1405.34	-707.16	0.00	895.13
8348.00	89.85	267.43	7213.21	-1411.85	-796.91	0.00	984.92
8438.00	89.75	270.18	7213.52	-1413.73	-886.88	0.00	1074.28
8527.00	89.60	269.55	7214.02	-1413.93	-975.88	0.00	1162.45
8617.00	89.54	269.02	7214.70	-1415.06	-1065.87	0.00	1251.72
8707.00	90.18	269.83	7214.92	-1415.96	-1155.86	0.00	1340.97
8796.00	90.00	273.06	7214.78	-1413.72	-1244.82	0.00	1428.76
8886.00	90.12	269.59	7214.69	-1411.64	-1334.79	0.00	1517.57
8976.00	89.97	269.38	7214.62	-1412.45	-1424.78	0.00	1606.81
9066.00	89.32	269.28	7215.17	-1413.50	-1514.77	0.00	1696.08
9155.00	89.75	269.85	7215.90	-1414.17	-1603.77	0.00	1784.31
9245.00	90.43	270.27	7215.75	-1414.08	-1693.77	0.00	1873.42
9335.00	90.28	269.53	7215.20	-1414.24	-1783.76	0.00	1962.57
9425.00	89.88	268.89	7215.07	-1415.48	-1873.75	0.00	2051.87
9514.00	89.88	268.69	7215.26	-1417.36	-1962.73	0.00	2140.25
9604.00	90.37	269.63	7215.06	-1418.68	-2052.72	0.00	2229.55
9694.00	90.40	269.43	7214.46	-1419.41	-2142.72	0.00	2318.78
9783.00	90.77	268.39	7213.55	-1421.11	-2231.70	0.00	2407.13
9873.00	90.77	269.09	7212.34	-1423.09	-2321.67	0.00	2496.51
9963.00	89.91	269.89	7211.80	-1423.89	-2411.66	0.00	2585.75
10052.00	89.91	270.24	7211.94	-1423.79	-2500.66	0.00	2673.87
10142.00	90.22	269.71	7211.84	-1423.83	-2590.66	0.00	2763.01
10232.00	89.94	270.29	7211.72	-1423.83	-2680.66	0.00	2852.14
10321.00	89.26	270.48	7212.34	-1423.23	-2769.65	0.00	2940.19
10411.00	88.74	269.33	7213.91	-1423.38	-2859.64	0.00	3029.33
10501.00	90.18	270.81	7214.76	-1423.27	-2949.63	0.00	3118.44
10590.00	89.45	269.46	7215.04	-1423.06	-3038.62	0.00	3206.54
10680.00	89.72	269.76	7215.70	-1423.67	-3128.62	0.00	3295.76
10769.00	90.71	270.07	7215.36	-1423.80	-3217.62	0.00	3383.91
10859.00	89.82	269.28	7214.94	-1424.31	-3307.61	0.00	3473.11
10949.00	89.54	268.23	7215.45	-1426.27	-3397.59	0.00	3562.49
11039.00	89.78	267.64	7215.98	-1429.51	-3487.53	0.00	3652.01
11128.00	89.45	269.13	7216.58	-1432.02	-3576.49	0.00	3740.46
11219.00	90.89	270.57	7216.31	-1432.26	-3667.48	0.00	3830.61
11308.00	90.58	269.23	7215.17	-1432.41	-3756.47	0.00	3918.76
11397.00	90.22	268.32	7214.55	-1434.31	-3845.45	0.00	4007.14
11487.00	89.35	268.81	7214.88	-1436.57	-3935.42	0.00	4096.56
11576.00	89.32	267.55	7215.92	-1439.39	-4024.37	0.00	4185.04
11666.00	91.17	265.87	7215.53	-1444.56	-4114.21	0.00	4274.73
11756.00	90.43	272.37	7214.27	-1445.94	-4204.14	0.00	4363.98
11846.00	90.58	270.48	7213.48	-1443.70	-4294.11	0.00	4452.77
11935.00	90.18	271.77	7212.89	-1441.95	-4383.09	0.00	4540.65
12025.00	89.91	270.86	7212.82	-1439.89	-4473.06	0.00	4629.47
12115.00	90.46	270.70	7212.53	-1438.66	-4563.05	0.00	4718.42
12204.00	89.94	271.56	7212.22	-1436.91	-4652.03	0.00	4806.30
12294.00	90.34	271.37	7212.00	-1434.61	-4742.00	0.00	4895.08
12384.00	91.82	268.42	7210.30	-1434.77	-4831.98	0.00	4984.21

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	DLS [deg/100ft]	Vertical Section[ft]
12474.00	91.32	268.94	7207.84	-1436.84	-4921.92	0.00	5073.57
12563.00	91.17	269.40	7205.90	-1438.13	-5010.89	0.00	5161.86
12653.00	91.51	269.52	7203.80	-1438.98	-5100.86	0.00	5251.08
12743.00	91.05	267.62	7201.79	-1441.23	-5190.80	0.00	5340.47
12833.00	91.11	269.21	7200.09	-1443.72	-5280.75	0.00	5429.89
12922.00	91.17	267.11	7198.32	-1446.57	-5369.68	0.00	5518.36
13012.00	91.05	271.25	7196.58	-1447.86	-5459.64	0.00	5607.62
13102.00	91.88	271.15	7194.27	-1445.98	-5549.59	0.00	5696.44
13191.00	91.45	270.15	7191.69	-1444.97	-5638.54	0.00	5784.40
13281.00	90.95	269.05	7189.80	-1445.60	-5728.52	0.00	5873.60
13371.00	91.32	269.57	7188.02	-1446.68	-5818.49	0.00	5962.85
13461.00	91.54	269.89	7185.78	-1447.10	-5908.46	0.00	6052.01
13550.00	91.79	270.49	7183.19	-1446.81	-5997.43	0.00	6140.08
13640.00	91.75	270.57	7180.41	-1445.98	-6087.38	0.00	6229.04
13730.00	91.26	270.02	7178.05	-1445.51	-6177.35	0.00	6318.08
13820.00	91.79	270.97	7175.65	-1444.74	-6267.31	0.00	6407.07
13909.00	91.63	270.99	7172.99	-1443.21	-6356.26	0.00	6494.94
13999.00	91.32	270.29	7170.68	-1442.21	-6446.22	0.00	6583.90
14089.00	91.63	270.00	7168.36	-1441.98	-6536.19	0.00	6672.97
14178.00	90.55	270.22	7166.67	-1441.81	-6625.17	0.00	6761.07
14268.00	90.49	268.92	7165.85	-1442.49	-6715.16	0.00	6850.29
14358.00	90.86	269.05	7164.79	-1444.08	-6805.14	0.00	6939.62
14447.00	90.28	267.16	7163.91	-1447.02	-6894.09	0.00	7028.11
14537.00	90.34	267.13	7163.42	-1451.51	-6983.97	0.00	7117.75
14627.00	90.31	266.84	7162.91	-1456.24	-7073.85	0.00	7207.41
14716.00	91.32	268.44	7161.64	-1459.90	-7162.76	0.00	7295.97
14806.00	90.86	267.12	7159.93	-1463.39	-7252.67	0.00	7385.50
14896.00	91.08	269.74	7158.41	-1465.85	-7342.62	0.00	7474.92
14985.00	91.20	268.95	7156.64	-1466.87	-7431.59	0.00	7563.18
15075.00	91.57	270.06	7154.46	-1467.65	-7521.56	0.00	7652.39
15165.00	91.45	269.57	7152.09	-1467.94	-7611.53	0.00	7741.53
15254.00	90.71	269.54	7150.41	-1468.63	-7700.51	0.00	7829.75
15344.00	90.80	269.06	7149.23	-1469.73	-7790.50	0.00	7919.01
15434.00	90.22	268.78	7148.42	-1471.43	-7880.48	0.00	8008.36
15523.00	90.86	269.84	7147.59	-1472.50	-7969.46	0.00	8096.64
15613.00	90.92	269.82	7146.19	-1472.77	-8059.45	0.00	8185.80
15703.00	90.71	269.92	7144.91	-1472.97	-8149.44	0.00	8274.95
15793.00	90.92	269.19	7143.63	-1473.67	-8239.43	0.00	8364.16
15882.00	90.95	270.01	7142.17	-1474.29	-8328.42	0.00	8452.37
15972.00	91.57	269.91	7140.20	-1474.35	-8418.39	0.00	8541.49
16062.00	91.60	270.24	7137.71	-1474.23	-8508.36	0.00	8630.57
16152.00	91.20	269.14	7135.51	-1474.72	-8598.33	0.00	8719.74
16241.00	91.23	269.07	7133.62	-1476.11	-8687.30	0.00	8808.04
16331.00	91.63	270.16	7131.37	-1476.72	-8777.27	0.00	8897.23
16421.00	91.42	269.59	7128.98	-1476.91	-8867.23	0.00	8986.35
16510.00	91.11	269.21	7127.01	-1477.84	-8956.21	0.00	9074.60
16600.00	91.20	269.56	7125.20	-1478.81	-9046.18	0.00	9163.84
16690.00	91.45	269.98	7123.12	-1479.17	-9136.16	0.00	9253.00
16780.00	91.26	270.15	7120.99	-1479.07	-9226.13	0.00	9342.09
16869.00	91.42	269.77	7118.91	-1479.13	-9315.11	0.00	9430.21
16959.00	91.29	269.66	7116.78	-1479.58	-9405.08	0.00	9519.38
17049.00	91.17	269.36	7114.85	-1480.35	-9495.06	0.00	9608.59
17139.00	91.35	269.77	7112.87	-1481.03	-9585.03	0.00	9697.80
17228.00	91.11	269.44	7110.96	-1481.64	-9674.01	0.00	9786.00
17318.00	91.75	269.84	7108.71	-1482.21	-9763.98	0.00	9875.18
17408.00	91.60	270.04	7106.08	-1482.30	-9853.94	0.00	9964.29
17497.00	91.23	267.02	7103.88	-1484.59	-9942.88	0.00	10052.68
17587.00	91.11	267.25	7102.05	-1489.08	-10032.74	0.00	10142.30
17677.00	90.86	266.50	7100.50	-1493.99	-10122.60	0.00	10231.97
17766.00	91.45	268.76	7098.71	-1497.67	-10211.50	0.00	10320.52
17856.00	91.66	267.80	7096.26	-1500.37	-10301.42	0.00	10409.95
17946.00	91.72	267.67	7093.61	-1503.93	-10391.31	0.00	10499.46
18035.00	91.60	268.20	7091.03	-1507.13	-10480.22	0.00	10587.95
18125.00	90.68	267.83	7089.24	-1510.25	-10570.14	0.00	10677.45
18215.00	91.42	268.87	7087.59	-1512.84	-10660.09	0.00	10766.88
18304.00	90.92	267.32	7085.77	-1515.80	-10749.02	0.00	10855.36
18390.00	91.26	268.26	7084.14	-1519.11	-10834.94	0.00	10940.91
18414.00	91.26	268.26	7083.61	-1519.84	-10858.92	0.00	10964.77