



ConocoPhillips

Adams County, Colorado

Reserve 3-65 35-34 1CH

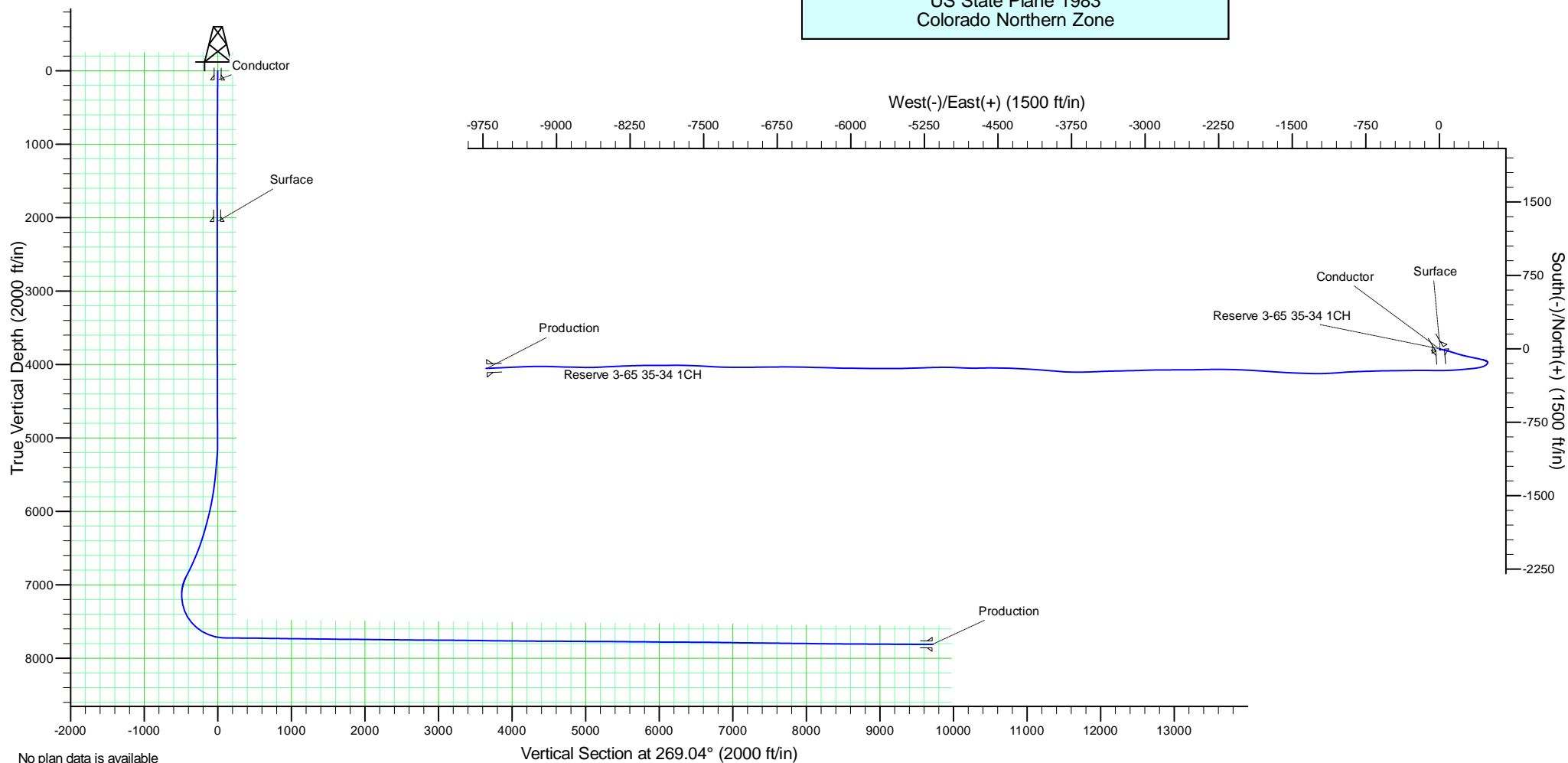
Reserve 3-65 35-34 1CH

Casing Depths

TVD	MD	Name	Size
124.99	125.00	Conductor	16
2054.20	2054.30	Surface	9-5/8
7813.17	17769.60	Production	5-1/2

Ground Level: 5505.90
Surface Location Latitude: 39° 45' 7.000 N
Surface Location Longitude: 104° 37' 25.400 W
North Reference: True
NBR B16 RKB @ 5531.50ft (NBR B16)

North American Datum 1983
GRS 1980
US State Plane 1983
Colorado Northern Zone



No plan data is available



Company:	Baker Hughes, a GE Company	Long:	104° 37' 25.4" W	GT:	9.799 (m/s2)
Customer/Operator:	ConocoPhillips	Lat:	39° 45' 7.0" N	BT:	51669 (nT)
Rig Name:	Nabors B16	Ref North:	True		
Rig Elev/Dat:	25.00 (ft) / GL	Mag Declination:	8.15 (deg) E		
Well:	Reserve_3-65_35-34_1CH	TAC:	8.15 (deg)		
Wellbore:	Reserve_3-65_35-34_1CH	Ver.Sec.Az:	269.04 (deg)		

Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature(degF)	True Vertical Depth(ft)	Northing(ft)	Easting(ft)	DLS(deg/100ft)	Vertical Section(ft)	Closure Distance(ft)	Course Length(ft)	Build Rate(deg/100ft)	Turn Rate(deg/100ft)
0.00	0.00	0.00										
25.00	0.00	0.00		25.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
59.98	0.95	132.74		59.98	-0.20	0.21	2.72	-0.21	0.29	34.98	2.72	379.47
151.96	1.28	154.96		151.94	-1.65	1.21	0.58	-1.18	2.04	91.98	0.36	24.16
245.82	1.00	147.78		245.78	-3.29	2.09	0.33	-2.03	3.89	93.86	-0.30	-7.65
337.25	0.82	156.71		337.20	-4.56	2.77	0.25	-2.70	5.34	91.43	-0.20	9.77
427.00	0.73	151.93		426.94	-5.66	3.30	0.12	-3.20	6.55	89.75	-0.10	-5.33
518.85	0.53	152.59		518.79	-6.55	3.77	0.22	-3.66	7.56	91.85	-0.22	0.72
609.60	0.60	156.09		609.53	-7.36	4.15	0.09	-4.03	8.45	90.75	0.08	3.86
700.30	0.43	155.21		700.23	-8.10	4.49	0.19	-4.35	9.26	90.70	-0.19	-0.97
790.40	0.16	150.04		790.33	-8.52	4.69	0.30	-4.55	9.72	90.10	-0.30	-5.74
881.44	0.40	211.70		881.37	-8.90	4.59	0.39	-4.44	10.01	91.04	0.26	67.73
971.82	0.47	152.33		971.74	-9.49	4.59	0.48	-4.43	10.55	90.38	0.08	-65.69
1062.61	0.13	172.40		1062.53	-9.93	4.78	0.39	-4.61	11.02	90.79	-0.37	22.11
1154.31	0.57	58.60		1154.23	-9.79	5.18	0.69	-5.02	11.08	91.70	0.48	-124.10
1245.18	0.44	58.28		1245.10	-9.37	5.87	0.14	-5.71	11.06	90.87	-0.14	-0.35
1336.02	0.22	93.40		1335.94	-9.20	6.34	0.32	-6.18	11.17	90.84	-0.24	38.66
1427.08	0.24	68.32		1427.00	-9.14	6.69	0.11	-6.54	11.33	91.06	0.02	-27.54
1518.60	0.49	89.96		1518.51	-9.07	7.26	0.31	-7.11	11.62	91.52	0.27	23.65
1613.27	0.20	104.59		1613.18	-9.11	7.82	0.32	-7.67	12.01	94.67	-0.31	15.45
1707.71	0.26	162.16		1707.62	-9.36	8.05	0.24	-7.89	12.34	94.44	0.06	60.96
1801.76	0.43	346.63		1801.67	-9.22	8.03	0.73	-7.88	12.22	94.05	0.18	-186.63
1896.07	0.41	334.20		1895.98	-8.57	7.80	0.10	-7.66	11.59	94.31	-0.02	-13.18
1990.58	0.58	334.52		1990.49	-7.80	7.52	0.20	-7.39	10.84	94.51	0.18	9.86
2026.05	0.47	339.34		2025.95	-7.50	7.42	0.33	-7.29	10.55	35.47	-0.31	-11.78
2066.00	0.62	0.76	106.77	2065.90	-7.13	7.36	0.63	-7.24	10.25	39.95	0.38	53.62
2161.00	0.12	349.42	109.47	2160.90	-6.51	7.35	0.53	-7.24	9.82	95.00	-0.53	-11.94
2255.00	0.03	208.54	112.17	2254.90	-6.44	7.32	0.15	-7.21	9.75	94.00	-0.10	-149.87
2350.00	0.22	28.77	112.17	2349.90	-6.30	7.40	0.26	-7.29	9.72	95.00	0.20	-189.23
2444.00	0.03	341.80	114.87	2443.90	-6.12	7.48	0.21	-7.37	9.66	94.00	-0.20	-49.97
2539.00	0.00	98.19	117.58	2538.90	-6.10	7.47	0.03	-7.37	9.64	95.00	-0.03	122.52
2633.00	0.10	70.45	122.98	2632.90	-6.07	7.55	0.11	-7.44	9.68	94.00	0.11	-29.51
2727.00	0.04	99.48	122.98	2726.90	-6.05	7.66	0.07	-7.55	9.76	94.00	-0.06	30.88
2822.00	0.00	98.19	122.98	2821.90	-6.05	7.69	0.04	-7.59	9.79	95.00	-0.04	-1.36
2916.00	0.03	165.82	125.69	2915.90	-6.08	7.70	0.03	-7.59	9.81	94.00	0.03	71.95
3011.00	0.21	83.99	125.69	3010.90	-6.08	7.87	0.22	-7.77	9.95	95.00	0.19	-86.14
3105.00	0.03	230.07	125.69	3104.90	-6.08	8.03	0.25	-7.92	10.07	94.00	-0.19	155.40
3199.00	0.51	195.22	128.39	3198.90	-6.50	7.90	0.52	-7.79	10.23	94.00	0.51	-37.07
3294.00	0.12	356.19	128.39	3293.90	-6.81	7.78	0.66	-7.67	10.34	95.00	-0.41	169.44
3388.00	0.16	349.03	128.39	3387.90	-6.58	7.75	0.05	-7.64	10.17	94.00	0.04	-7.62
3483.00	0.28	303.51	131.09	3482.90	-6.32	7.53	0.21	-7.42	9.83	95.00	0.13	-47.92
3577.00	1.07	350.03	131.09	3576.89	-5.33	7.19	0.96	-7.10	8.95	94.00	0.84	49.49
3671.00	0.06	203.18	133.80	3670.88	-4.51	7.02	1.19	-6.94	8.34	94.00	-1.07	-156.22
3765.00	0.33	322.80	133.80	3764.88	-4.34	6.83	0.39	-6.76	8.10	94.00	0.29	127.26
3859.00	0.59	294.99	217.59	3858.88	-3.92	6.23	0.36	-6.16	7.36	94.00	0.28	-29.59
3954.00	0.35	355.70	136.50	3953.88	-3.43	5.77	0.55	-5.71	6.71	95.00	-0.25	63.91
4048.00	0.04	24.19	136.50	4047.88	-3.11	5.76	0.34	-5.70	6.54	94.00	-0.33	30.31
4142.00	0.15	23.36	136.50	4141.88	-2.97	5.82	0.12	-5.77	6.53	94.00	0.12	-0.88
4237.00	0.48	266.05	139.20	4236.88	-2.88	5.47	0.59	-5.42	6.18	95.00	0.35	-123.48
4331.00	0.14	108.15	139.20	4330.87	-2.94	5.19	0.65	-5.14	5.96	94.00	-0.36	-167.98
4426.00	0.15	192.60	139.20	4425.87	-3.10	5.27	0.21	-5.22	6.12	95.00	0.01	88.89
4520.00	0.04	295.17	139.20	4519.87	-3.21	5.21	0.17	-5.16	6.12	94.00	-0.12	109.12
4614.00	0.76	284.29	139.20	4613.87	-3.04	4.58	0.77	-4.53	5.50	94.00	0.77	-11.57
4709.00	0.03	91.42	58.11	4708.87	-2.88	4.00	0.83	-3.95	4.93	95.00	-0.77	175.93
4802.00	0.69	282.27	141.91	4801.87	-2.77	3.47	0.77	-3.43	4.44	93.00	0.71	-181.88
4897.00	0.83	216.14	144.61	4896.86	-3.20	2.51	0.88	-2.45	4.06	95.00	0.15	-69.61
4992.00	0.06	13.63	144.61	4991.86	-3.71	2.11	0.93	-2.05	4.27	95.00	-0.81	165.78
5086.00	0.15	45.15	147.31	5085.86	-3.57	2.21	0.11	-2.15	4.20	94.00	0.10	33.53
5180.00	2.34	97.56	150.02	5179.83	-3.74	4.20	2.40	-4.14	5.62	94.00	2.33	55.76
5274.00	5.08	94.75	152.72	5273.62	-4.34	10.25	2.92	-10.18	11.13	94.00	2.91	-2.99
5369.00	5.12	100.37	152.72	5368.25	-5.45	18.61	0.53	-18.52	19.39	95.00	0.04	5.92
5463.00	5.12	104.72	155.42	5461.87	-7.27	26.80	0.41	-26.67	27.76	94.00	0.00	4.63
5558.00	6.58	104.50	158.12	5556.38	-9.71	36.17	1.54	-36.00	37.45	95.00	1.54	-0.23
5652.00	7.73	104.75	160.83	5649.64	-12.67	47.49	1.22	-47.28	49.15	94.00	1.22	0.27

5746.00	9.04	103.85	160.83	5742.64	-16.04	60.78	1.40	-60.50	62.86	94.00	1.39	-0.96
5841.00	10.29	104.34	163.53	5836.28	-19.93	76.25	1.32	-75.90	78.81	95.00	1.32	0.52
5935.00	12.37	105.13	163.53	5928.45	-24.64	94.10	2.22	-93.68	97.27	94.00	2.21	0.84
6029.00	13.89	106.34	166.23	6019.99	-30.44	114.65	1.64	-114.12	118.62	94.00	1.62	1.29
6123.00	15.06	107.56	168.94	6111.00	-37.30	137.12	1.29	-136.48	142.10	94.00	1.24	1.30
6217.00	16.08	107.25	168.94	6201.55	-44.85	161.20	1.09	-160.42	167.32	94.00	1.09	-0.33
6312.00	17.05	106.62	171.64	6292.61	-52.73	187.11	1.04	-186.20	194.40	95.00	1.02	-0.66
6406.00	18.62	105.35	171.64	6382.09	-60.65	214.79	1.72	-213.74	223.18	94.00	1.67	-1.35
6501.00	20.44	104.00	171.64	6471.62	-68.67	245.51	1.97	-244.32	254.93	95.00	1.92	-1.42
6595.00	22.36	102.56	174.34	6559.14	-76.53	278.89	2.12	-277.57	289.20	94.00	2.04	-1.53
6690.00	23.73	102.10	177.05	6646.55	-84.47	315.22	1.45	-313.76	326.34	95.00	1.44	-0.48
6784.00	25.33	101.87	177.05	6732.07	-92.57	353.40	1.71	-351.79	365.32	94.00	1.70	-0.24
6878.00	26.96	102.00	179.75	6816.44	-101.14	393.92	1.74	-392.17	406.70	94.00	1.73	0.14
6973.00	27.40	103.12	177.05	6900.95	-110.58	436.27	0.71	-434.36	450.07	95.00	0.46	1.18
7067.00	17.94	112.04	179.75	6987.62	-120.95	470.84	10.68	-468.75	486.13	94.00	-10.06	9.49
7162.00	9.20	143.48	179.75	7079.99	-132.58	488.98	11.73	-486.69	506.64	95.00	-9.20	33.09
7256.00	9.39	195.60	168.94	7172.91	-146.02	491.40	8.66	-488.88	512.63	94.00	0.20	55.45
7350.00	15.64	226.56	174.34	7264.73	-162.16	480.11	9.53	-477.33	506.76	94.00	6.65	32.94
7445.00	22.62	246.61	179.75	7354.52	-178.25	453.99	9.99	-450.94	487.73	95.00	7.35	21.11
7539.00	31.44	257.54	179.75	7438.22	-190.75	413.35	10.73	-410.10	455.24	94.00	9.38	11.63
7634.00	40.85	263.91	182.45	7514.88	-199.41	358.12	10.65	-354.73	409.90	95.00	9.91	6.71
7728.00	49.40	264.63	185.16	7581.14	-206.03	291.90	9.11	-288.41	357.28	94.00	9.10	0.77
7822.00	59.51	265.30	185.16	7635.72	-212.70	215.81	10.77	-212.21	303.01	94.00	10.76	0.71
7917.00	67.11	266.54	190.56	7678.36	-218.71	131.21	8.08	-127.53	255.04	95.00	8.00	1.31
8011.00	76.83	268.75	193.27	7707.42	-222.33	42.01	10.58	-38.28	226.26	94.00	10.34	2.35
8105.00	86.40	271.63	195.97	7721.11	-221.99	-50.87	10.62	54.58	227.74	94.00	10.18	3.06
8199.00	89.26	270.46	198.67	7724.67	-220.28	-144.77	3.29	148.44	263.59	94.00	3.04	-1.24
8294.00	89.85	269.10	198.67	7725.41	-220.64	-239.76	1.56	243.43	325.84	95.00	0.62	-1.43
8388.00	89.69	269.38	201.37	7725.79	-221.89	-333.76	0.34	337.43	400.78	94.00	-0.17	0.30
8482.00	89.48	269.31	204.08	7726.47	-222.96	-427.75	0.24	431.42	482.37	94.00	-0.22	-0.07
8577.00	89.32	269.13	204.08	7727.46	-224.26	-522.73	0.25	526.42	568.81	95.00	-0.17	-0.19
8671.00	89.23	268.74	206.78	7728.65	-226.00	-616.71	0.43	620.41	656.82	94.00	-0.10	-0.41
8765.00	89.26	267.94	206.78	7729.89	-228.73	-710.66	0.85	714.39	746.56	94.00	0.03	-0.85
8860.00	89.20	268.16	209.48	7731.17	-231.96	-805.60	0.24	809.37	838.33	95.00	-0.06	0.23
8954.00	88.92	267.57	209.48	7732.71	-235.46	-899.52	0.69	903.34	929.82	94.00	-0.30	-0.63
9048.00	89.32	265.00	209.48	7734.15	-241.55	-993.30	2.77	997.21	1022.25	94.00	0.43	-2.73
9143.00	89.38	266.91	212.19	7735.23	-248.25	-1088.05	2.01	1092.06	1116.02	95.00	0.06	2.01
9237.00	89.32	267.98	212.19	7736.30	-252.44	-1181.95	1.14	1186.02	1208.61	94.00	-0.06	1.14
9332.00	89.38	271.22	214.89	7737.38	-253.10	-1276.93	3.41	1280.99	1301.77	95.00	0.06	3.41
9426.00	89.35	272.04	214.89	7738.42	-250.43	-1370.89	0.87	1374.89	1393.57	94.00	-0.03	0.87
9520.00	89.29	272.52	217.59	7739.53	-246.69	-1464.81	0.51	1468.73	1485.43	94.00	-0.06	0.51
9615.00	89.23	272.70	217.59	7740.76	-242.36	-1559.70	0.20	1563.54	1578.42	95.00	-0.06	0.19
9710.00	89.38	273.15	220.30	7741.91	-237.52	-1654.57	0.50	1658.32	1671.53	95.00	0.16	0.47
9804.00	90.25	274.07	220.30	7742.22	-231.60	-1748.38	1.35	1752.01	1763.65	94.00	0.93	0.98
9898.00	89.20	274.13	220.30	7742.67	-224.88	-1842.14	1.12	1845.65	1855.81	94.00	-1.12	0.06
9993.00	89.35	273.54	223.00	7743.87	-218.52	-1936.92	0.64	1940.31	1949.20	95.00	0.16	-0.62
10087.00	89.35	272.11	223.00	7744.94	-213.89	-2030.79	1.52	2034.09	2042.03	94.00	0.00	-1.52
10182.00	89.35	271.17	225.70	7746.01	-211.17	-2125.75	0.99	2128.99	2136.21	95.00	0.00	-0.99
10276.00	89.38	270.51	225.70	7747.06	-209.80	-2219.73	0.70	2222.93	2229.62	94.00	0.03	-0.70
10370.00	89.32	269.02	228.41	7748.12	-210.18	-2313.72	1.59	2316.92	2323.25	94.00	-0.06	-1.59
10463.00	89.45	268.63	228.41	7749.12	-212.09	-2406.70	0.44	2409.91	2416.02	93.00	0.14	-0.42
10558.00	89.26	269.20	228.41	7750.19	-213.89	-2501.67	0.63	2504.91	2510.80	95.00	-0.20	0.60
10652.00	89.45	269.94	231.11	7751.25	-214.59	-2595.66	0.81	2598.89	2604.52	94.00	0.20	0.79
10747.00	89.45	269.65	231.11	7752.16	-214.93	-2690.66	0.31	2693.88	2699.23	95.00	0.00	-0.31
10842.00	89.91	269.89	231.11	7752.69	-215.31	-2785.66	0.55	2788.87	2793.96	95.00	0.48	0.25
10936.00	89.48	269.17	231.11	7753.19	-216.08	-2879.65	0.89	2882.87	2887.75	94.00	-0.46	-0.77
11030.00	89.26	268.27	231.11	7754.22	-218.18	-2973.62	0.99	2976.86	2981.61	94.00	-0.23	-0.96
11124.00	89.54	267.90	233.81	7755.21	-221.33	-3067.56	0.49	3070.84	3075.54	94.00	0.30	-0.39
11219.00	90.09	268.89	236.52	7755.52	-223.99	-3162.52	1.19	3165.83	3170.45	95.00	0.58	1.04
11313.00	89.29	268.88	236.52	7756.02	-225.82	-3256.50	0.85	3259.83	3264.32	94.00	-0.85	-0.01
11407.00	89.29	268.57	236.52	7757.19	-227.91	-3350.47	0.33	3353.82	3358.22	94.00	0.00	-0.33
11502.00	89.32	267.44	239.22	7758.34	-231.21	-3445.41	1.19	3448.80	3453.16	95.00	0.03	-1.19
11596.00	89.29	268.00	239.22	7759.48	-234.95	-3539.33	0.60	3542.76	3547.11	94.00	-0.03	0.60
11690.00	89.29	268.32	239.22	7760.65	-237.97	-3633.27	0.34	3636.75	3641.05	94.00	0.00	0.34
11784.00	89.26	270.79	236.52	7761.84	-238.70	-3727.25	2.63	3730.73	3734.89	94.00	-0.03	2.63
11879.00	89.29	273.96	236.52	7763.04	-234.76	-3822.15	3.34	3825.55	3829.35	95.00	0.03	3.34
11973.00	89.38	274.56	239.22	7764.13	-227.78	-3915.88	0.65	3919.15	3922.50	94.00	0.10	0.64
12067.00	89.63	274.56	239.22	7764.94	-220.31	-4009.58	0.27	4012.71	4015.63	94.00	0.27	0.00
12161.00	89.45	274.15	241.92	7765.70	-213.17	-4103.31	0.48	4106.30	4108.84	94.00	-0.19	-0.44
12255.00	89.38	273.22	241.92	7766.66	-207.13	-4197.11	0.99	4199.99	4202.22	94.00	-0.07	-0.99
12350.00	89.60	272.68	241.92	7767.50	-202.24	-4291.98	0.61	4294.76	4296.74	95.00	0.23	-0.57
12445.00	89.35	271.79	241.92	7768.37	-198.54	-4386.90	0.97	4389.61	4391.39	95.00	-0.26	-0.94
12539.00	89.69	270.76	241.92	7769.16	-196.45	-4480.87	1.15	4483.53	4485.18	94.00	0.36	-1.10
12634.00	90.09	270.33	241.92	7769.34	-195.54	-4575.87	0.62	4578.50	4580.04	95.00	0.42	-0.45
12728.00	89.60	268.45	244.62	7769.60	-196.54	-4669.86	2.07	4672.49	4673.99	94.00	-0.52	-2.00
12822.00	89.63	270.20	244.62	7770.23	-197.65	-4763.85	1.86	4766.49	4767.94	94.00	0.03	1.86
12917.00	89.60	272.67	244.62	7770.87	-195.27	-4858.81	2.60	4861.40	4862.73	95.00	-0.03	2.60

13011.00	89.60	272.76	247.33	7771.52	-190.82	-4952.70	0.10	4955.20	4956.37	94.00	0.00	0.10
13105.00	89.51	269.45	247.33	7772.25	-189.01	-5046.66	3.52	5049.12	5050.20	94.00	-0.10	-3.52
13200.00	90.09	268.77	250.03	7772.58	-190.48	-5141.65	0.94	5144.12	5145.18	95.00	0.61	-0.72
13294.00	89.66	268.26	250.03	7772.79	-192.92	-5235.62	0.71	5238.12	5239.17	94.00	-0.46	-0.54
13388.00	89.60	268.29	250.03	7773.40	-195.75	-5329.57	0.07	5332.11	5333.17	94.00	-0.06	0.03
13483.00	89.57	267.91	250.03	7774.08	-198.90	-5424.52	0.40	5427.09	5428.16	95.00	-0.03	-0.40
13577.00	89.48	269.38	241.92	7774.86	-201.12	-5518.49	1.57	5521.08	5522.15	94.00	-0.10	1.56
13671.00	89.45	270.01	250.03	7775.74	-201.62	-5612.48	0.67	5615.07	5616.10	94.00	-0.03	0.67
13766.00	89.51	270.54	252.73	7776.60	-201.16	-5707.48	0.56	5710.05	5711.02	95.00	0.06	0.56
13860.00	89.26	270.40	252.73	7777.61	-200.39	-5801.47	0.30	5804.01	5804.93	94.00	-0.27	-0.15
13955.00	89.20	271.18	255.44	7778.89	-199.08	-5896.45	0.82	5898.96	5899.81	95.00	-0.06	0.82
14049.00	89.85	270.13	252.73	7779.67	-198.01	-5990.44	1.31	5992.91	5993.71	94.00	0.69	-1.12
14144.00	89.63	270.60	255.44	7780.10	-197.40	-6085.44	0.55	6087.89	6088.64	95.00	-0.23	0.49
14238.00	89.66	271.76	255.44	7780.68	-195.47	-6179.41	1.23	6181.82	6182.50	94.00	0.03	1.23
14332.00	89.78	271.74	255.44	7781.14	-192.60	-6273.37	0.13	6275.71	6276.32	94.00	0.13	-0.02
14426.00	89.82	271.65	258.14	7781.47	-189.82	-6367.32	0.10	6369.61	6370.15	94.00	0.04	-0.10
14521.00	89.57	271.26	255.44	7781.98	-187.41	-6462.29	0.49	6464.53	6465.01	95.00	-0.26	-0.41
14616.00	89.72	271.20	258.14	7782.56	-185.37	-6557.27	0.17	6559.45	6559.89	95.00	0.16	-0.06
14710.00	89.63	269.88	258.14	7783.10	-184.48	-6651.26	1.41	6653.42	6653.82	94.00	-0.10	-1.40
14804.00	88.95	269.06	258.14	7784.26	-185.35	-6745.25	1.13	6747.41	6747.79	94.00	-0.72	-0.87
14898.00	89.20	269.39	258.14	7785.78	-186.62	-6839.23	0.44	6841.39	6841.77	94.00	0.27	0.35
14993.00	89.20	269.37	258.14	7787.11	-187.65	-6934.21	0.02	6936.38	6936.75	95.00	0.00	-0.02
15087.00	88.98	269.53	258.14	7788.60	-188.55	-7028.20	0.29	7030.37	7030.73	94.00	-0.23	0.17
15181.00	89.20	269.85	260.84	7790.09	-189.06	-7122.18	0.41	7124.35	7124.69	94.00	0.23	0.34
15276.00	89.42	269.94	260.84	7791.24	-189.23	-7217.18	0.25	7219.33	7219.66	95.00	0.23	0.09
15370.00	89.78	272.23	258.14	7791.89	-187.45	-7311.15	2.47	7313.26	7313.55	94.00	0.38	2.44
15465.00	89.29	273.79	258.14	7792.66	-182.47	-7406.01	1.72	7408.03	7408.26	95.00	-0.52	1.64
15559.00	89.32	273.15	258.14	7793.80	-176.78	-7499.83	0.68	7501.74	7501.92	94.00	0.03	-0.68
15653.00	89.11	272.26	260.84	7795.09	-172.34	-7593.72	0.97	7595.54	7595.67	94.00	-0.22	-0.95
15748.00	89.32	271.31	263.55	7796.39	-169.38	-7688.66	1.02	7690.42	7690.53	95.00	0.22	-1.00
15842.00	89.17	269.78	263.55	7797.63	-168.49	-7782.65	1.64	7784.38	7784.47	94.00	-0.16	-1.63
15935.00	89.66	269.69	263.55	7798.58	-168.92	-7875.64	0.54	7877.37	7877.45	93.00	0.53	-0.10
16030.00	89.17	270.39	263.55	7799.55	-168.85	-7970.64	0.90	7972.35	7972.42	95.00	-0.52	0.74
16124.00	89.11	269.19	263.55	7800.96	-169.20	-8064.62	1.28	8066.33	8066.40	94.00	-0.06	-1.28
16218.00	89.17	268.73	263.55	7802.37	-170.90	-8158.60	0.49	8160.31	8160.39	94.00	0.06	-0.49
16313.00	89.35	267.82	263.55	7803.60	-173.76	-8253.54	0.98	8255.30	8255.37	95.00	0.19	-0.96
16407.00	89.54	267.83	266.25	7804.51	-177.33	-8347.47	0.20	8349.27	8349.36	94.00	0.20	0.01
16501.00	89.51	266.94	266.25	7805.29	-181.62	-8441.37	0.95	8443.23	8443.32	94.00	-0.03	-0.95
16596.00	89.66	267.14	263.55	7805.98	-186.52	-8536.24	0.26	8538.17	8538.28	95.00	0.16	0.21
16690.00	89.57	268.45	263.55	7806.61	-190.14	-8630.17	1.40	8632.14	8632.26	94.00	-0.10	1.39
16784.00	89.72	271.77	260.84	7807.19	-189.96	-8724.15	3.54	8726.11	8726.22	94.00	0.16	3.53
16878.00	89.72	271.44	266.25	7807.65	-187.33	-8818.11	0.35	8820.01	8820.10	94.00	0.00	-0.35
16973.00	89.88	271.14	266.25	7807.98	-185.19	-8913.09	0.36	8914.94	8915.01	95.00	0.17	-0.32
17067.00	89.51	271.68	268.95	7808.48	-182.87	-9007.06	0.70	9008.86	9008.91	94.00	-0.39	0.57
17161.00	89.51	271.35	266.25	7809.29	-180.39	-9101.02	0.35	9102.77	9102.81	94.00	0.00	-0.35
17256.00	89.51	269.35	268.95	7810.10	-179.81	-9196.01	2.11	9197.73	9197.77	95.00	0.00	-2.11
17350.00	89.69	268.41	268.95	7810.76	-181.65	-9289.99	1.02	9291.73	9291.77	94.00	0.19	-1.00
17445.00	89.57	267.34	268.95	7811.37	-185.17	-9384.92	1.13	9386.71	9386.75	95.00	-0.13	-1.13
17539.00	89.75	267.76	271.66	7811.93	-189.19	-9478.83	0.49	9480.67	9480.72	94.00	0.19	0.45
17633.00	89.63	267.06	268.95	7812.44	-193.43	-9572.74	0.76	9574.63	9574.69	94.00	-0.13	-0.74
17727.00	89.66	267.54	268.95	7813.02	-197.86	-9666.63	0.51	9668.59	9668.65	94.00	0.03	0.51
17779.00	89.66	267.54		7813.33	-200.09	-9718.58	0.00	9720.57	9720.64	52.00	0.00	0.00