



Company:	Baker Hughes, a GE Company	Long:	104° 45' 28.4328" W	GT:	9.800 (m/s2)
Customer/Operator:	Enerplus Resources	Lat:	40° 36' 45.612" N	BT:	52215 (nT)
Date Range:	1/29/2020 - 2/3/2020	Ref North:	True	DIP:	66.94 (deg)
Rig Name:	Cyclone 37	Mag Declination:	7.88 (deg) E	Nominal Mag Ref:	IFR1
Rig Elv/Dat:	5020.00 (ft) / MSL	True to Grid Conv:	NA	Non-Mag Spacing:	Short
Well:	Weyburn 7-66-3-10-8C	TAC:	7.88 (deg)	MagCorr:	OFF
Wellbore:	Weyburn 7-66-3-10-8C	Ver.Sec.Az:	178.86 (deg)		

Scribbleline

Run2: NA Run3: NA

Tie/Proj	Survey Date/Time	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	True Vertical Depth (ft)	True Vertical Depth Subsea (ft)	Northing (ft)	Easting (ft)	DLS (deg/100ft)	Vertical Section (ft)	Tool Type	Closure Distance (ft)	Course Length (ft)	Build Rate (deg/100ft)	Turn Rate (deg/100ft)
	Jan-29-2020 17:00:25	0.00	0.00	163.00												
	Jan-29-2020 17:00:25	138.30	0.48	163.00		138.30	-4881.70	-0.55	0.17	0.35	0.56		0.58	138.30	0.35	0.00
	Jan-29-2020 17:00:25	225.30	0.57	169.94		225.29	-4794.71	-1.33	0.35	0.13	1.34		1.37	87.00	0.10	7.98
	Jan-29-2020 17:00:25	312.30	0.31	167.92		312.29	-4707.71	-1.98	0.48	0.30	1.99		2.04	87.00	-0.30	-2.32
	Jan-29-2020 17:00:25	399.30	0.57	152.71		399.29	-4620.71	-2.60	0.72	0.33	2.61		2.70	87.00	0.30	-17.48
	Jan-29-2020 17:00:25	487.30	0.79	191.92		487.28	-4532.72	-3.58	0.80	0.57	3.60		3.67	88.00	0.25	44.56
	Jan-29-2020 17:00:25	574.30	0.48	241.05		574.28	-4445.72	-4.35	0.36	0.69	4.35		4.36	87.00	-0.36	56.47
	Jan-29-2020 17:00:25	661.30	0.75	221.45		661.27	-4358.73	-4.95	-0.34	0.39	4.94		4.96	87.00	0.31	-22.53
	Jan-29-2020 17:00:25	748.30	0.83	330.17		748.27	-4271.73	-4.83	-1.03	1.48	4.81		4.94	87.00	0.09	124.97
	Jan-29-2020 17:00:25	836.30	0.83	2.69		836.26	-4183.74	-3.64	-1.32	0.53	3.61		3.87	88.00	0.00	36.95
	Jan-29-2020 17:00:25	923.30	0.97	27.56		923.25	-4096.75	-2.36	-0.95	0.47	2.34		2.54	87.00	0.16	28.59
	Jan-29-2020 17:00:25	1010.30	0.44	34.41		1010.24	-4009.76	-1.43	-0.42	0.62	1.42		1.49	87.00	-0.61	7.87
	Jan-29-2020 17:00:25	1097.30	0.40	97.96		1097.24	-3922.76	-1.19	0.07	0.51	1.20		1.20	87.00	-0.05	73.05
	Jan-29-2020 17:00:25	1185.30	0.66	61.49		1185.24	-3834.76	-1.00	0.82	0.47	1.01		1.29	88.00	0.30	-41.44
	Jan-29-2020 17:00:25	1272.30	0.62	80.29		1272.23	-3747.77	-0.68	1.73	0.24	0.71		1.85	87.00	-0.05	21.61
	Jan-29-2020 17:00:25	1359.30	0.40	123.98		1359.23	-3660.77	-0.77	2.44	0.50	0.82		2.56	87.00	-0.25	50.22
	Jan-29-2020 17:00:25	1447.30	0.53	80.73		1447.23	-3572.77	-0.87	3.10	0.41	0.93		3.22	88.00	0.15	-49.15
	Jan-29-	1534.30	0.44	178.29		1534.22	-3485.78	-1.14	3.51	0.84	1.21		3.69	87.00	-0.10	112.14



2020 17:00:25															
Jan-29-2020 17:00:25	1620.30	1.05	236.21		1620.22	-3399.78	-1.91	2.86	1.04	1.97		3.44	86.00	0.71	67.35
Jan-31-2020 16:15:42	1688.00	0.71	240.41	74.33	1687.91	-3332.09	-2.46	1.98	0.51	2.50		3.16	67.70	-0.50	6.20
Jan-31-2020 16:15:42	1782.00	0.31	276.15	77.03	1781.91	-3238.09	-2.72	1.22	0.52	2.75		2.98	94.00	-0.43	38.02
Jan-31-2020 16:15:42	1876.00	1.27	19.32	79.73	1875.90	-3144.10	-1.71	1.31	1.46	1.74		2.16	94.00	1.02	109.76
Jan-31-2020 16:15:42	1971.00	3.56	10.32	85.14	1970.81	-3049.19	2.18	2.19	2.44	-2.14		3.09	95.00	2.41	-9.47
Jan-31-2020 16:15:42	2065.00	5.35	9.71	85.14	2064.52	-2955.48	9.37	3.45	1.90	-9.30		9.99	94.00	1.90	-0.65
Jan-31-2020 16:15:42	2159.00	5.83	7.79	87.84	2158.07	-2861.93	18.42	4.84	0.55	-18.32		19.05	94.00	0.51	-2.04
Jan-31-2020 16:15:42	2253.00	3.62	20.56	90.55	2251.75	-2768.25	25.93	6.53	2.59	-25.80		26.74	94.00	-2.35	13.59
Jan-31-2020 16:15:42	2348.00	0.22	140.90	93.25	2346.69	-2673.31	28.60	7.70	3.93	-28.44		29.62	95.00	-3.58	126.67
Jan-31-2020 16:15:42	2442.00	0.99	237.20	98.66	2440.68	-2579.32	28.02	7.13	1.10	-27.87		28.91	94.00	0.82	102.45
Jan-31-2020 16:15:42	2537.00	2.58	143.80	101.36	2535.65	-2484.35	25.85	7.70	2.97	-25.69		26.97	95.00	1.67	-98.32
Jan-31-2020 16:15:42	2631.00	5.53	126.26	104.06	2629.41	-2390.59	21.46	12.60	3.37	-21.21		24.89	94.00	3.14	-18.66
Jan-31-2020 16:15:42	2726.00	8.46	120.26	106.77	2723.69	-2296.31	15.23	22.33	3.17	-14.79		27.03	95.00	3.08	-6.32
Jan-31-2020 16:15:42	2820.00	7.52	137.23	90.55	2816.79	-2203.21	7.23	32.48	2.69	-6.58		33.28	94.00	-1.00	18.05
Jan-31-2020 16:15:42	2914.00	7.80	148.67	95.95	2909.95	-2110.05	-2.73	39.98	1.65	3.53		40.07	94.00	0.30	12.17
Jan-31-2020 16:15:42	3008.00	7.73	149.15	98.66	3003.09	-2016.91	-13.61	46.54	0.10	14.53		48.49	94.00	-0.07	0.51
Jan-31-2020 16:15:42	3102.00	7.75	149.72	101.36	3096.24	-1923.76	-24.51	52.97	0.08	25.56		58.37	94.00	0.02	0.61
Jan-31-2020 16:15:42	3197.00	7.61	149.59	104.06	3190.38	-1829.62	-35.47	59.39	0.15	36.64		69.17	95.00	-0.15	-0.14
Jan-31-2020 16:15:42	3291.00	7.89	145.58	106.77	3283.53	-1736.47	-46.16	66.19	0.65	47.46		80.69	94.00	0.30	-4.27
Jan-31-2020 16:15:42	3386.00	7.78	148.38	109.47	3377.64	-1642.36	-57.01	73.24	0.42	58.46		92.81	95.00	-0.12	2.95
Jan-31-2020 16:15:42	3480.00	7.72	147.89	112.17	3470.78	-1549.22	-67.78	79.93	0.09	69.35		104.80	94.00	-0.06	-0.52
Jan-31-2020 16:15:42	3574.00	7.60	149.23	112.17	3563.94	-1456.06	-78.46	86.47	0.23	80.17		116.76	94.00	-0.13	1.43
Jan-31-2020 16:15:42	3668.00	7.58	149.64	114.87	3657.12	-1362.88	-89.16	92.78	0.06	90.98		128.68	94.00	-0.02	0.44
Jan-31-2020 16:15:42	3761.00	6.51	149.54	114.87	3749.42	-1270.58	-98.99	98.56	1.15	100.93		139.69	93.00	-1.15	-0.11



Jan-31-2020 16:15:42	3855.00	6.88	148.34	117.58	3842.77	-1177.23	-108.38	104.21	0.42	110.43		150.35	94.00	0.39	-1.28
Jan-31-2020 16:15:42	3949.00	6.79	148.59	120.28	3936.11	-1083.89	-117.91	110.06	0.10	120.08		161.30	94.00	-0.10	0.27
Jan-31-2020 16:15:42	4043.00	6.88	149.99	120.28	4029.44	-990.56	-127.53	115.78	0.20	129.81		172.24	94.00	0.10	1.49
Jan-31-2020 16:15:42	4137.00	6.73	149.04	122.98	4122.78	-897.22	-137.13	121.43	0.20	139.52		183.16	94.00	-0.16	-1.01
Jan-31-2020 16:15:42	4231.00	6.60	148.47	122.98	4216.14	-803.86	-146.46	127.08	0.16	148.96		193.91	94.00	-0.14	-0.61
Jan-31-2020 16:15:42	4326.00	6.77	148.13	125.69	4310.49	-709.51	-155.87	132.90	0.18	158.48		204.83	95.00	0.18	-0.36
Jan-31-2020 16:15:42	4420.00	6.86	148.49	120.28	4403.83	-616.17	-165.36	138.75	0.11	168.09		215.86	94.00	0.10	0.38
Jan-31-2020 16:15:42	4515.00	6.60	149.36	125.69	4498.18	-521.82	-174.89	144.50	0.29	177.73		226.87	95.00	-0.27	0.92
Jan-31-2020 16:15:42	4609.00	6.66	148.85	125.69	4591.55	-428.45	-184.20	150.08	0.09	187.15		237.60	94.00	0.06	-0.54
Jan-31-2020 16:15:42	4704.00	6.53	148.97	128.39	4685.92	-334.08	-193.55	155.71	0.14	196.61		248.41	95.00	-0.14	0.13
Jan-31-2020 16:15:42	4798.00	6.69	148.90	131.09	4779.29	-240.71	-202.82	161.29	0.17	205.99		259.13	94.00	0.17	-0.07
Jan-31-2020 16:15:42	4893.00	6.62	149.52	133.80	4873.65	-146.35	-212.27	166.93	0.11	215.55		270.05	95.00	-0.07	0.65
Jan-31-2020 16:15:42	4987.00	6.63	150.60	136.50	4967.03	-52.97	-221.67	172.34	0.13	225.06		280.78	94.00	0.01	1.15
Jan-31-2020 16:15:42	5081.00	6.59	149.12	136.50	5060.40	40.40	-231.03	177.77	0.19	234.52		291.51	94.00	-0.04	-1.57
Jan-31-2020 16:15:42	5176.00	6.58	150.04	133.80	5154.77	134.77	-240.42	183.29	0.11	244.02		302.32	95.00	-0.01	0.97
Jan-31-2020 16:15:42	5268.00	6.55	149.17	139.20	5246.17	226.17	-249.49	188.61	0.11	253.20		312.76	92.00	-0.03	-0.95
Jan-31-2020 16:15:42	5362.00	6.56	148.27	141.91	5339.56	319.56	-258.67	194.18	0.11	262.48		323.44	94.00	0.01	-0.96
Jan-31-2020 16:15:42	5457.00	6.59	149.86	144.61	5433.93	413.93	-268.00	199.77	0.19	271.92		334.26	95.00	0.03	1.67
Jan-31-2020 16:15:42	5551.00	6.52	149.40	144.61	5527.32	507.32	-277.25	205.20	0.09	281.28		344.93	94.00	-0.07	-0.49
Jan-31-2020 16:15:42	5645.00	6.45	148.95	147.31	5620.72	600.72	-286.37	210.64	0.09	290.50		355.49	94.00	-0.07	-0.48
Jan-31-2020 16:15:42	5739.00	6.49	147.52	150.02	5714.12	694.12	-295.38	216.21	0.18	299.62		366.05	94.00	0.04	-1.52
Jan-31-2020 16:15:42	5834.00	6.79	157.97	152.72	5808.48	788.48	-305.11	221.20	1.31	309.45		376.86	95.00	0.32	11.00
Jan-31-2020 16:15:42	5928.00	6.68	154.38	155.42	5901.84	881.84	-315.19	225.65	0.46	319.62		387.64	94.00	-0.12	-3.82
Jan-31-2020 16:15:42	6022.00	6.39	148.84	155.42	5995.23	975.23	-324.60	230.72	0.74	329.12		398.24	94.00	-0.31	-5.89
Jan-31-2020	6116.00	6.53	149.06	158.12	6088.63	1068.63	-333.66	236.18	0.15	338.29		408.79	94.00	0.15	0.23



16:15:42															
Jan-31-2020 16:15:42	6211.00	6.42	149.29	160.83	6183.02	1163.02	-342.86	241.67	0.12	347.60		419.47	95.00	-0.12	0.24
Jan-31-2020 16:15:42	6305.00	6.36	149.68	163.53	6276.44	1256.44	-351.87	246.98	0.08	356.71		429.90	94.00	-0.06	0.41
Jan-31-2020 16:15:42	6400.00	6.64	149.28	163.53	6370.83	1350.83	-361.13	252.44	0.30	366.09		440.62	95.00	0.29	-0.42
Jan-31-2020 16:21:15	6494.00	6.36	149.40	166.23	6464.22	1444.22	-370.29	257.87	0.30	375.34	ATC_MWD	451.23	94.00	-0.30	0.13
Jan-31-2020 16:40:02	6588.00	6.33	149.34	166.23	6557.65	1537.65	-379.23	263.16	0.03	384.39	ATC_MWD	461.59	94.00	-0.03	-0.06
Jan-31-2020 16:58:02	6682.00	6.46	149.44	168.94	6651.06	1631.06	-388.24	268.49	0.14	393.50	ATC_MWD	472.03	94.00	0.14	0.11
Jan-31-2020 17:18:53	6776.00	6.32	149.37	171.64	6744.48	1724.48	-397.24	273.82	0.15	402.61	ATC_MWD	482.47	94.00	-0.15	-0.07
Jan-31-2020 17:44:19	6871.00	6.49	149.52	171.64	6838.89	1818.89	-406.37	279.20	0.18	411.84	ATC_MWD	493.04	95.00	0.18	0.16
Jan-31-2020 18:02:18	6965.00	6.49	149.60	174.34	6932.28	1912.28	-415.53	284.59	0.01	421.11	ATC_MWD	503.64	94.00	0.00	0.09
Jan-31-2020 18:30:18	7059.00	7.76	158.79	174.34	7025.56	2005.56	-426.03	289.57	1.81	431.71	ATC_MWD	515.12	94.00	1.35	9.78
Jan-31-2020 19:17:46	7154.00	16.41	184.95	174.34	7118.43	2098.43	-445.43	290.74	10.56	451.12	ATC_MWD	531.91	95.00	9.11	27.54
Jan-31-2020 19:45:44	7248.00	25.31	181.91	177.05	7206.18	2186.18	-478.81	288.92	9.53	484.46	ATC_MWD	559.22	94.00	9.47	-3.23
Jan-31-2020 20:52:26	7343.00	33.61	172.59	179.75	7288.87	2268.87	-525.28	291.64	9.96	530.98	ATC_MWD	600.81	95.00	8.74	-9.81
Jan-31-2020 21:50:14	7437.00	43.98	174.18	182.45	7362.03	2342.03	-583.71	298.32	11.08	589.53	ATC_MWD	655.52	94.00	11.03	1.69
Jan-31-2020 22:47:31	7531.00	53.94	174.82	182.45	7423.67	2403.67	-654.20	305.08	10.61	660.14	ATC_MWD	721.83	94.00	10.60	0.68
Jan-31-2020 23:20:43	7626.00	64.85	176.16	185.16	7471.97	2451.97	-735.59	311.44	11.55	741.64	ATC_MWD	798.80	95.00	11.48	1.41
Feb-01-2020 08:52:55	7719.00	72.89	178.14	171.64	7505.47	2485.47	-822.15	315.71	8.87	828.27	ATC_MWD	880.69	93.00	8.65	2.13
Feb-01-2020 10:37:24	7814.00	78.79	181.98	174.34	7528.71	2508.71	-914.21	315.58	7.34	920.30	ATC_MWD	967.14	95.00	6.21	4.04
Feb-01-2020 11:59:50	7908.00	86.30	182.61	177.05	7540.89	2520.89	-1007.27	311.84	8.02	1013.27	ATC_MWD	1054.44	94.00	7.99	0.67
Feb-01-2020 12:45:13	8002.00	90.49	181.41	179.75	7543.53	2523.53	-1101.15	308.55	4.64	1107.07	ATC_MWD	1143.56	94.00	4.46	-1.28
Feb-01-2020 13:50:32	8097.00	90.37	181.55	182.45	7542.81	2522.81	-1196.12	306.10	0.19	1201.97	ATC_MWD	1234.66	95.00	-0.13	0.15
Feb-01-2020 14:19:26	8191.00	89.51	179.50	187.86	7542.91	2522.91	-1290.11	305.23	2.36	1295.92	ATC_MWD	1325.72	94.00	-0.91	-2.18
Feb-01-2020 14:42:43	8286.00	91.76	181.25	190.56	7541.86	2521.86	-1385.09	304.61	3.00	1390.88	ATC_MWD	1418.19	95.00	2.37	1.84
Feb-01-2020 15:47:22	8380.00	89.17	180.24	193.27	7541.10	2521.10	-1479.07	303.39	2.96	1484.81	ATC_MWD	1509.87	94.00	-2.76	-1.07
Feb-01-	8475.00	89.05	180.75	193.27	7542.57	2522.57	-1574.05	302.57	0.55	1579.76	ATC_MWD	1602.87	95.00	-0.13	0.54



2020 17:08:24																
Feb-01-2020 17:45:30	8569.00	89.69	179.70	195.97	7543.60	2523.60	-1668.05	302.20	1.31	1673.73	ATC_MWD	1695.20	94.00	0.68	-1.12	
Feb-01-2020 18:18:27	8664.00	90.00	180.01	201.37	7543.86	2523.86	-1763.04	302.44	0.46	1768.71	ATC_MWD	1788.80	95.00	0.33	0.33	
Feb-01-2020 18:50:15	8758.00	90.18	180.56	204.08	7543.71	2523.71	-1857.04	301.97	0.62	1862.68	ATC_MWD	1881.44	94.00	0.19	0.59	
Feb-01-2020 19:27:55	8851.00	90.49	179.98	204.08	7543.17	2523.17	-1950.04	301.54	0.71	1955.65	ATC_MWD	1973.22	93.00	0.33	-0.62	
Feb-01-2020 19:56:51	8944.00	90.52	180.13	209.48	7542.35	2522.35	-2043.04	301.45	0.16	2048.63	ATC_MWD	2065.16	93.00	0.03	0.16	
Feb-01-2020 20:27:54	9039.00	91.11	179.82	209.48	7541.00	2521.00	-2138.03	301.49	0.70	2143.60	ATC_MWD	2159.18	95.00	0.62	-0.33	
Feb-01-2020 20:55:50	9132.00	90.89	179.96	212.19	7539.38	2519.38	-2231.01	301.67	0.28	2236.57	ATC_MWD	2251.31	93.00	-0.24	0.15	
Feb-01-2020 21:22:42	9227.00	90.83	180.08	212.19	7537.95	2517.95	-2326.00	301.63	0.14	2331.54	ATC_MWD	2345.48	95.00	-0.06	0.13	
Feb-01-2020 21:51:05	9321.00	91.11	179.97	214.89	7536.36	2516.36	-2419.99	301.59	0.32	2425.51	ATC_MWD	2438.71	94.00	0.30	-0.12	
Feb-01-2020 22:23:37	9415.00	91.35	180.22	214.89	7534.34	2514.34	-2513.97	301.44	0.37	2519.47	ATC_MWD	2531.97	94.00	0.26	0.27	
Feb-01-2020 22:50:26	9510.00	91.48	179.99	214.89	7532.00	2512.00	-2608.94	301.26	0.28	2614.41	ATC_MWD	2626.27	95.00	0.14	-0.24	
Feb-01-2020 23:16:23	9604.00	91.72	180.15	217.59	7529.37	2509.37	-2702.90	301.15	0.31	2708.36	ATC_MWD	2719.62	94.00	0.26	0.17	
Feb-02-2020 00:25:57	9698.00	90.28	178.92	214.89	7527.73	2507.73	-2796.88	301.91	2.01	2802.33	ATC_MWD	2813.13	94.00	-1.53	-1.31	
Feb-02-2020 02:11:30	9793.00	87.94	179.17	212.19	7529.21	2509.21	-2891.85	303.49	2.48	2897.31	ATC_MWD	2907.73	95.00	-2.46	0.26	
Feb-02-2020 03:31:29	9886.00	87.29	178.65	212.19	7533.08	2513.08	-2984.75	305.26	0.89	2990.23	ATC_MWD	3000.32	93.00	-0.70	-0.56	
Feb-02-2020 05:11:37	9981.00	86.80	179.47	212.19	7537.97	2517.97	-3079.61	306.82	1.00	3085.10	ATC_MWD	3094.85	95.00	-0.52	0.86	
Feb-02-2020 06:02:14	10075.00	87.91	181.05	212.19	7542.31	2522.31	-3173.50	306.39	2.05	3178.97	ATC_MWD	3188.26	94.00	1.18	1.68	
Feb-02-2020 06:46:46	10169.00	91.08	181.09	214.89	7543.14	2523.14	-3267.47	304.64	3.37	3272.88	ATC_MWD	3281.64	94.00	3.37	0.04	
Feb-02-2020 08:22:45	10264.00	91.17	181.48	212.19	7541.27	2521.27	-3362.43	302.51	0.42	3367.78	ATC_MWD	3376.01	95.00	0.09	0.41	
Feb-02-2020 08:53:27	10358.00	90.74	181.47	217.59	7539.71	2519.71	-3456.38	300.09	0.46	3461.67	ATC_MWD	3469.39	94.00	-0.46	-0.01	
Feb-02-2020 09:20:04	10452.00	89.72	180.12	217.59	7539.33	2519.33	-3550.37	298.78	1.80	3555.61	ATC_MWD	3562.92	94.00	-1.09	-1.44	
Feb-02-2020 09:46:30	10547.00	90.00	181.27	220.30	7539.56	2519.56	-3645.36	297.63	1.25	3650.56	ATC_MWD	3657.49	95.00	0.29	1.21	
Feb-02-2020 10:20:20	10641.00	90.83	179.39	220.30	7538.88	2518.88	-3739.35	297.09	2.19	3744.52	ATC_MWD	3751.14	94.00	0.88	-2.00	
Feb-02-2020 10:59:41	10735.00	90.55	172.19	223.00	7537.75	2517.75	-3833.03	303.99	7.66	3838.32	ATC_MWD	3845.07	94.00	-0.30	-7.66	



Feb-02-2020 11:35:19	10829.00	90.77	176.19	225.70	7536.67	2516.67	-3926.52	313.50	4.26	3931.98	ATC_MWD	3939.02	94.00	0.23	4.26
Feb-02-2020 12:04:54	10923.00	90.62	180.72	225.70	7535.52	2515.52	-4020.46	316.03	4.82	4025.95	ATC_MWD	4032.86	94.00	-0.16	4.82
Feb-02-2020 12:35:33	11016.00	90.99	183.16	228.41	7534.22	2514.22	-4113.39	312.88	2.65	4118.80	ATC_MWD	4125.27	93.00	0.40	2.62
Feb-02-2020 12:59:24	11109.00	90.34	183.08	228.41	7533.14	2513.14	-4206.24	307.82	0.70	4211.53	ATC_MWD	4217.49	93.00	-0.70	-0.09
Feb-02-2020 13:28:58	11203.00	90.46	181.97	228.41	7532.48	2512.48	-4300.15	303.68	1.19	4305.34	ATC_MWD	4310.86	94.00	0.13	-1.18
Feb-02-2020 13:55:05	11298.00	89.54	183.02	228.41	7532.48	2512.48	-4395.05	299.55	1.47	4400.14	ATC_MWD	4405.25	95.00	-0.97	1.11
Feb-02-2020 14:13:54	11392.00	90.86	182.40	231.11	7532.15	2512.15	-4488.95	295.10	1.55	4493.93	ATC_MWD	4498.64	94.00	1.40	-0.66
Feb-02-2020 14:32:15	11486.00	89.42	181.82	233.81	7531.92	2511.92	-4582.88	291.64	1.65	4587.77	ATC_MWD	4592.15	94.00	-1.53	-0.62
Feb-02-2020 14:52:52	11581.00	90.62	183.01	233.81	7531.89	2511.89	-4677.79	287.64	1.78	4682.59	ATC_MWD	4686.63	95.00	1.26	1.25
Feb-02-2020 15:13:19	11675.00	90.28	183.42	233.81	7531.15	2511.15	-4771.64	282.37	0.57	4776.31	ATC_MWD	4779.99	94.00	-0.36	0.44
Feb-02-2020 15:37:59	11770.00	89.97	183.44	236.52	7530.95	2510.95	-4866.47	276.68	0.33	4871.01	ATC_MWD	4874.33	95.00	-0.33	0.02
Feb-02-2020 16:03:08	11864.00	89.57	182.36	236.52	7531.32	2511.32	-4960.35	271.93	1.23	4964.78	ATC_MWD	4967.80	94.00	-0.43	-1.15
Feb-02-2020 16:39:21	11959.00	91.08	182.04	236.52	7530.78	2510.78	-5055.27	268.28	1.62	5059.61	ATC_MWD	5062.39	95.00	1.59	-0.34
Feb-02-2020 16:58:47	12053.00	90.68	181.66	239.22	7529.34	2509.34	-5149.21	265.25	0.59	5153.47	ATC_MWD	5156.04	94.00	-0.43	-0.40
Feb-02-2020 17:32:25	12147.00	90.46	180.77	239.22	7528.41	2508.41	-5243.19	263.25	0.98	5247.39	ATC_MWD	5249.79	94.00	-0.23	-0.95
Feb-02-2020 17:51:29	12242.00	90.65	180.63	239.22	7527.48	2507.48	-5338.17	262.09	0.25	5342.33	ATC_MWD	5344.60	95.00	0.20	-0.15
Feb-02-2020 18:34:02	12336.00	87.29	180.23	239.22	7529.17	2509.17	-5432.14	261.39	3.60	5436.27	ATC_MWD	5438.43	94.00	-3.57	-0.43
Feb-02-2020 19:00:50	12430.00	88.95	180.65	236.52	7532.26	2512.26	-5526.09	260.67	1.82	5530.18	ATC_MWD	5532.23	94.00	1.77	0.45
Feb-02-2020 19:27:56	12525.00	88.89	181.07	239.22	7534.05	2514.05	-5621.06	259.24	0.45	5625.10	ATC_MWD	5627.03	95.00	-0.06	0.44
Feb-02-2020 20:04:07	12619.00	90.03	181.35	241.92	7534.93	2514.93	-5715.03	257.26	1.25	5719.02	ATC_MWD	5720.82	94.00	1.21	0.30
Feb-02-2020 20:38:02	12714.00	90.89	180.41	244.62	7534.17	2514.17	-5810.02	255.80	1.34	5813.95	ATC_MWD	5815.64	95.00	0.91	-0.99
Feb-02-2020 21:06:03	12808.00	90.92	181.01	244.62	7532.69	2512.69	-5904.00	254.63	0.64	5907.89	ATC_MWD	5909.48	94.00	0.03	0.64
Feb-02-2020 21:38:42	12903.00	90.95	181.10	247.33	7531.14	2511.14	-5998.97	252.88	0.10	6002.81	ATC_MWD	6004.29	95.00	0.03	0.09
Feb-02-2020 22:16:57	12995.00	91.91	181.13	247.33	7528.84	2508.84	-6090.92	251.09	1.04	6094.71	ATC_MWD	6096.09	92.00	1.04	0.03
Feb-02-2020	13090.00	91.97	181.09	247.33	7525.63	2505.63	-6185.85	249.25	0.08	6189.58	ATC_MWD	6190.87	95.00	0.06	-0.04



	22:45:40															
	Feb-02-2020 23:09:16	13184.00	91.60	181.04	247.33	7522.70	2502.70	-6279.79	247.51	0.40	6283.47	ATC_MWD	6284.66	94.00	-0.39	-0.05
	Feb-02-2020 23:34:47	13278.00	90.74	180.47	247.33	7520.78	2500.78	-6373.76	246.27	1.10	6377.39	ATC_MWD	6378.51	94.00	-0.91	-0.61
	Feb-03-2020 00:01:53	13373.00	90.52	181.43	247.33	7519.73	2499.73	-6468.74	244.69	1.04	6472.32	ATC_MWD	6473.36	95.00	-0.23	1.01
	Feb-03-2020 00:24:37	13467.00	90.00	181.48	247.33	7519.31	2499.31	-6562.70	242.31	0.56	6566.23	ATC_MWD	6567.18	94.00	-0.55	0.05
	Feb-03-2020 00:45:34	13560.00	89.42	181.04	250.03	7519.78	2499.78	-6655.68	240.26	0.78	6659.14	ATC_MWD	6660.02	93.00	-0.62	-0.47
	Feb-03-2020 01:07:03	13654.00	89.60	180.41	250.03	7520.58	2500.58	-6749.67	239.07	0.70	6753.09	ATC_MWD	6753.90	94.00	0.19	-0.67
	Feb-03-2020 01:33:13	13748.00	90.03	181.24	250.03	7520.88	2500.88	-6843.66	237.72	0.99	6847.03	ATC_MWD	6847.79	94.00	0.46	0.88
	Feb-03-2020 01:58:33	13842.00	91.02	180.94	250.03	7520.02	2500.02	-6937.64	235.93	1.10	6940.96	ATC_MWD	6941.65	94.00	1.05	-0.32
	Feb-03-2020 02:17:41	13937.00	90.09	181.00	250.03	7519.10	2499.10	-7032.62	234.32	0.98	7035.89	ATC_MWD	7036.52	95.00	-0.98	0.06
	Feb-03-2020 02:43:44	14031.00	89.69	180.69	250.03	7519.28	2499.28	-7126.61	232.94	0.54	7129.83	ATC_MWD	7130.41	94.00	-0.43	-0.33
	Feb-03-2020 03:05:24	14126.00	89.72	179.14	250.03	7519.77	2499.77	-7221.60	233.08	1.63	7224.81	ATC_MWD	7225.36	95.00	0.03	-1.63
	Feb-03-2020 03:27:31	14220.00	89.91	180.35	252.73	7520.08	2500.08	-7315.60	233.50	1.30	7318.80	ATC_MWD	7319.32	94.00	0.20	1.29
	Feb-03-2020 03:49:26	14315.00	90.06	179.98	252.73	7520.10	2500.10	-7410.60	233.22	0.42	7413.77	ATC_MWD	7414.27	95.00	0.16	-0.39
	Feb-03-2020 04:10:05	14409.00	89.91	179.28	252.73	7520.13	2500.13	-7504.60	233.83	0.76	7507.76	ATC_MWD	7508.24	94.00	-0.16	-0.74
	Feb-03-2020 04:58:56	14596.00	89.72	180.21	252.73	7520.73	2500.73	-7691.59	234.66	0.51	7694.74	ATC_MWD	7695.17	187.00	-0.10	0.50
	Feb-03-2020 05:24:09	14691.00	89.88	179.06	255.44	7521.06	2501.06	-7786.59	235.27	1.22	7789.73	ATC_MWD	7790.14	95.00	0.17	-1.21
	Feb-03-2020 05:46:41	14785.00	89.75	179.51	255.44	7521.36	2501.36	-7880.58	236.44	0.50	7883.72	ATC_MWD	7884.12	94.00	-0.14	0.48
	Feb-03-2020 06:16:26	14880.00	89.14	179.95	252.73	7522.29	2502.29	-7975.57	236.89	0.79	7978.71	ATC_MWD	7979.09	95.00	-0.64	0.46
	Feb-03-2020 06:43:51	14974.00	89.69	179.35	255.44	7523.24	2503.24	-8069.56	237.46	0.87	8072.69	ATC_MWD	8073.06	94.00	0.59	-0.64
	Feb-03-2020 07:06:20	15068.00	89.88	180.53	255.44	7523.60	2503.60	-8163.56	237.56	1.27	8166.67	ATC_MWD	8167.02	94.00	0.20	1.26
	Feb-03-2020 07:39:13	15163.00	90.40	180.57	255.44	7523.37	2503.37	-8258.56	236.65	0.55	8261.63	ATC_MWD	8261.95	95.00	0.55	0.04
	Feb-03-2020 08:02:33	15257.00	90.18	179.56	258.14	7522.89	2502.89	-8352.55	236.54	1.10	8355.61	ATC_MWD	8355.90	94.00	-0.23	-1.07
	Feb-03-2020 08:25:05	15352.00	90.46	180.02	258.14	7522.36	2502.36	-8447.55	236.89	0.57	8450.59	ATC_MWD	8450.87	95.00	0.29	0.48
	Feb-03-2020 09:31:05	15446.00	89.20	178.54	255.44	7522.64	2502.64	-8541.54	238.07	2.07	8544.59	ATC_MWD	8544.86	94.00	-1.34	-1.57
	Feb-03-	15541.00	88.98	179.52	252.73	7524.15	2504.15	-8636.51	239.68	1.06	8639.57	ATC_MWD	8639.84	95.00	-0.23	1.03



2020 10:49:49																
Feb-03-2020 12:43:02	15635.00	86.49	178.82	247.33	7527.86	2507.86	-8730.42	241.04	2.75	8733.49	ATC_MWD	8733.75	94.00	-2.65	-0.74	
Feb-03-2020 13:56:39	15729.00	87.54	182.62	250.03	7532.76	2512.76	-8824.27	239.86	4.19	8827.29	ATC_MWD	8827.53	94.00	1.12	4.04	
Feb-03-2020 14:48:29	15823.00	90.46	182.29	252.73	7534.40	2514.40	-8918.16	235.83	3.13	8921.08	ATC_MWD	8921.27	94.00	3.11	-0.35	
Feb-03-2020 15:24:48	15918.00	89.78	179.36	255.44	7534.20	2514.20	-9013.14	234.47	3.17	9016.02	ATC_MWD	9016.19	95.00	-0.72	-3.08	
Feb-03-2020 16:00:56	16012.00	89.97	181.25	258.14	7534.40	2514.40	-9107.13	233.97	2.02	9109.98	ATC_MWD	9110.14	94.00	0.20	2.01	
Feb-03-2020 16:40:36	16106.00	90.06	181.67	360.86	7534.38	2514.38	-9201.10	231.57	0.46	9203.89	ATC_MWD	9204.01	94.00	0.10	0.45	
Feb-03-2020 17:31:19	16201.00	89.75	181.39	258.14	7534.54	2514.54	-9296.07	229.03	0.44	9298.78	ATC_MWD	9298.89	95.00	-0.33	-0.29	
Feb-03-2020 17:55:22	16295.00	89.69	181.29	258.14	7535.00	2515.00	-9390.04	226.84	0.12	9392.69	ATC_MWD	9392.78	94.00	-0.06	-0.11	
Feb-03-2020 18:20:11	16389.00	89.66	182.22	260.84	7535.53	2515.53	-9483.99	223.96	0.99	9486.57	ATC_MWD	9486.64	94.00	-0.03	0.99	
Feb-03-2020 18:44:56	16483.00	89.75	181.74	260.84	7536.01	2516.01	-9577.93	220.71	0.52	9580.43	ATC_MWD	9580.48	94.00	0.10	-0.51	
Feb-03-2020 19:38:04	16672.00	89.75	180.95	263.55	7536.84	2516.84	-9766.88	216.27	0.42	9769.25	ATC_MWD	9769.27	189.00	0.00	-0.42	
Feb-03-2020 20:04:53	16766.00	89.72	181.11	263.55	7537.27	2517.27	-9860.86	214.58	0.17	9863.18	ATC_MWD	9863.20	94.00	-0.03	0.17	
Feb-03-2020 20:32:09	16860.00	89.63	180.97	263.55	7537.81	2517.81	-9954.85	212.88	0.18	9957.11	ATC_MWD	9957.12	94.00	-0.10	-0.15	
Feb-03-2020 20:59:59	16955.00	89.75	180.88	266.25	7538.32	2518.32	-10049.83	211.34	0.16	10052.05	ATC_MWD	10052.05	95.00	0.13	-0.09	
Feb-03-2020 21:28:07	17050.00	89.97	181.15	266.25	7538.55	2518.55	-10144.82	209.66	0.37	10146.98	ATC_MWD	10146.98	95.00	0.23	0.28	
Feb-03-2020 21:56:13	17144.00	89.45	181.28	217.59	7539.03	2519.03	-10238.79	207.67	0.57	10240.90	ATC_MWD	10240.90	94.00	-0.55	0.14	
Feb-03-2020 22:28:24	17239.00	89.82	180.65	266.25	7539.63	2519.63	-10333.78	206.07	0.77	10335.83	ATC_MWD	10335.83	95.00	0.39	-0.66	
Feb-03-2020 23:09:54	17334.00	89.69	180.65	266.25	7540.04	2520.04	-10428.77	204.99	0.14	10430.78	ATC_MWD	10430.79	95.00	-0.14	0.00	
Proj Feb-03-2020 23:15:18	17358.00	89.69	180.65		7540.17		-10452.77	204.72	0.00	10454.77		10454.77		0.00	0.00	