



Company:	Baker Hughes, a GE Company	Long:	104° 45' 28.4472" W	GT:	9.800 (m/s2)
Customer/Operator:	Enerplus Resources	Lat:	40° 36' 46.1052" N	BT:	52216 (nT)
Date Range:	1/23/2020 - 1/27/2020	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:	Prince Albert 7-66-3-10-6C	TAC:	7.88 (deg)	MagCorr:	OFF
Wellbore:	Prince Albert 7-66-3-10-6C	Ver.Sec.Az:	185.05 (deg)		

Scribeline
Run1: 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-23-2020 20:31:29	0.00	0.00	62.80												
	Jan-23-2020 20:31:29	138.30	0.48	62.80		138.30	-4881.70	0.26	0.52	0.35	-0.31		0.58	138.30	0.35	0.00
	Jan-23-2020 20:31:29	225.30	0.44	54.81		225.30	-4794.70	0.62	1.11	0.09	-0.72		1.28	87.00	-0.05	-9.18
	Jan-23-2020 20:31:29	312.30	0.75	26.94		312.29	-4707.71	1.32	1.64	0.48	-1.46		2.11	87.00	0.36	-32.03
	Jan-23-2020 20:31:29	399.30	1.01	44.00		399.28	-4620.72	2.38	2.43	0.42	-2.59		3.41	87.00	0.30	19.61
	Jan-23-2020 20:31:29	487.30	0.92	82.75		487.27	-4532.73	3.03	3.67	0.73	-3.34		4.76	88.00	-0.10	44.03
	Jan-23-2020 20:31:29	574.30	0.31	137.07		574.26	-4445.74	2.95	4.53	0.90	-3.33		5.40	87.00	-0.70	62.44
	Jan-23-2020 20:31:29	661.30	0.88	187.70		661.26	-4358.74	2.11	4.60	0.83	-2.51		5.06	87.00	0.66	58.20
	Jan-23-2020 20:31:29	748.30	1.05	190.77		748.25	-4271.75	0.67	4.36	0.20	-1.05		4.41	87.00	0.20	3.53
	Jan-23-2020 20:31:29	836.30	0.79	248.78		836.24	-4183.76	-0.35	3.64	1.05	0.02		3.66	88.00	-0.30	65.92
	Jan-23-2020 20:31:29	923.30	1.19	244.91		923.22	-4096.78	-0.95	2.27	0.47	0.74		2.45	87.00	0.46	-4.45
	Jan-23-2020 20:31:29	1010.30	0.53	305.82		1010.22	-4009.78	-1.09	1.12	1.20	0.99		1.57	87.00	-0.76	70.01
	Jan-23-2020 20:31:29	1097.30	0.83	14.99		1097.21	-3922.79	-0.25	0.96	0.93	0.16		0.99	87.00	0.34	79.51
	Jan-23-2020 20:31:29	1185.30	1.36	11.21		1185.19	-3834.81	1.39	1.33	0.61	-1.50		1.92	88.00	0.60	-4.30
	Jan-23-2020 20:31:29	1272.30	0.13	120.28		1272.19	-3747.81	2.35	1.61	1.62	-2.49		2.85	87.00	-1.41	125.37
	Jan-23-2020 20:31:29	1359.30	0.13	177.41		1359.19	-3660.81	2.21	1.70	0.14	-2.35		2.79	87.00	0.00	65.67
	Jan-23-2020 20:31:29	1447.30	0.40	156.41		1447.19	-3572.81	1.82	1.83	0.32	-1.98		2.58	88.00	0.31	-23.86
	Jan-23-	1534.30	0.09	19.30		1534.18	-3485.82	1.61	1.97	0.54	-1.78		2.55	87.00	-0.36	-157.60



2020 20:31:29															
Jan-23-2020 20:31:29	1613.30	0.35	250.98		1613.18	-3406.82	1.59	1.77	0.52	-1.74		2.38	79.00	0.33	-162.43
Jan-25-2020 01:14:23	1781.00	0.07	342.35	85.14	1780.88	-3239.12	1.52	1.25	0.21	-1.63		1.97	167.70	-0.17	54.48
Jan-25-2020 01:14:23	1876.00	0.52	282.64	90.55	1875.88	-3144.12	1.67	0.81	0.51	-1.74		1.86	95.00	0.47	-62.85
Jan-25-2020 01:14:23	1970.00	0.71	8.85	93.25	1969.88	-3050.12	2.34	0.49	0.91	-2.37		2.39	94.00	0.20	91.71
Jan-25-2020 01:14:23	2064.00	0.60	134.83	93.25	2063.87	-2956.13	2.57	0.92	1.24	-2.64		2.73	94.00	-0.12	134.02
Jan-25-2020 01:14:23	2158.00	0.61	148.11	95.95	2157.87	-2862.13	1.80	1.54	0.15	-1.92		2.36	94.00	0.01	14.13
Jan-25-2020 01:14:23	2253.00	0.31	153.98	95.95	2252.87	-2767.13	1.14	1.92	0.32	-1.30		2.23	95.00	-0.32	6.18
Jan-25-2020 01:14:23	2347.00	0.59	157.94	98.66	2346.86	-2673.14	0.46	2.21	0.30	-0.65		2.26	94.00	0.30	4.21
Jan-25-2020 01:14:23	2441.00	0.80	342.10	98.66	2440.86	-2579.14	0.64	2.19	1.48	-0.83		2.28	94.00	0.22	-187.06
Jan-25-2020 01:14:23	2536.00	0.68	5.77	66.22	2535.85	-2484.15	1.83	2.04	0.34	-2.00		2.74	95.00	-0.13	24.92
Jan-25-2020 01:14:23	2630.00	0.33	353.92	104.06	2629.85	-2390.15	2.65	2.07	0.39	-2.82		3.36	94.00	-0.37	-12.61
Jan-25-2020 01:14:23	2725.00	0.68	30.63	106.77	2724.85	-2295.15	3.41	2.33	0.48	-3.60		4.13	95.00	0.37	38.64
Jan-25-2020 01:14:23	2819.00	0.58	109.67	106.77	2818.84	-2201.16	3.73	3.06	0.86	-3.98		4.82	94.00	-0.11	84.09
Jan-25-2020 01:14:23	2913.00	0.46	112.71	106.77	2912.84	-2107.16	3.42	3.86	0.13	-3.75		5.16	94.00	-0.13	3.23
Jan-25-2020 01:14:23	3007.00	0.52	221.50	109.47	3006.84	-2013.16	2.96	3.92	0.85	-3.29		4.91	94.00	0.06	115.73
Jan-25-2020 01:14:23	3101.00	2.15	242.48	112.17	3100.81	-1919.19	1.82	2.08	1.78	-2.00		2.76	94.00	1.73	22.32
Jan-25-2020 01:14:23	3196.00	3.78	254.23	117.58	3195.68	-1824.32	0.15	-2.52	1.82	0.07		2.52	95.00	1.72	12.37
Jan-25-2020 01:14:23	3290.00	4.76	250.80	120.28	3289.42	-1730.58	-1.98	-9.18	1.08	2.78		9.39	94.00	1.04	-3.65
Jan-25-2020 01:14:23	3385.00	6.25	235.31	120.28	3383.98	-1636.02	-6.22	-17.16	2.20	7.70		18.25	95.00	1.57	-16.31
Jan-25-2020 01:14:23	3479.00	9.71	220.55	122.98	3477.07	-1542.93	-15.16	-26.52	4.25	17.43		30.55	94.00	3.68	-15.70
Jan-25-2020 01:14:23	3573.00	11.86	214.51	125.69	3569.40	-1450.60	-29.14	-37.15	2.58	32.30		47.22	94.00	2.29	-6.43
Jan-25-2020 01:14:23	3667.00	13.07	238.44	125.69	3661.25	-1358.75	-42.67	-51.69	5.60	47.06		67.03	94.00	1.29	25.46
Jan-25-2020 01:14:23	3760.00	13.90	237.38	112.17	3751.68	-1268.32	-54.20	-70.06	0.93	60.15		88.58	93.00	0.89	-1.14
Jan-25-2020 01:14:23	3854.00	13.55	233.87	131.09	3843.00	-1177.00	-66.78	-88.46	0.96	74.31		110.84	94.00	-0.37	-3.73



Jan-25-2020 01:14:23	3948.00	13.57	233.38	131.09	3934.38	-1085.62	-79.85	-106.21	0.12	88.89		132.88	94.00	0.02	-0.52
Jan-25-2020 01:14:23	4042.00	13.84	231.34	131.09	4025.70	-994.30	-93.45	-123.84	0.59	103.99		155.14	94.00	0.29	-2.17
Jan-25-2020 01:14:23	4136.00	13.63	233.28	133.80	4117.02	-902.98	-107.10	-141.50	0.54	119.14		177.46	94.00	-0.22	2.06
Jan-25-2020 01:14:23	4230.00	13.37	233.50	133.80	4208.42	-811.58	-120.18	-159.11	0.28	133.72		199.40	94.00	-0.28	0.23
Jan-25-2020 01:14:23	4325.00	13.12	234.03	136.50	4300.89	-719.11	-133.05	-176.67	0.29	148.08		221.16	95.00	-0.26	0.56
Jan-25-2020 01:14:23	4419.00	13.28	233.09	136.50	4392.41	-627.59	-145.80	-193.93	0.28	162.30		242.63	94.00	0.17	-1.00
Jan-25-2020 01:14:23	4514.00	13.36	233.31	136.50	4484.85	-535.15	-158.91	-211.46	0.10	176.91		264.51	95.00	0.08	0.23
Jan-25-2020 01:14:23	4608.00	13.43	234.22	139.20	4576.29	-443.71	-171.78	-229.02	0.24	191.27		286.29	94.00	0.07	0.97
Jan-25-2020 01:14:23	4703.00	13.51	232.65	139.20	4668.68	-351.32	-184.96	-246.79	0.39	205.97		308.41	95.00	0.08	-1.65
Jan-25-2020 01:14:23	4797.00	13.89	233.82	141.91	4760.01	-259.99	-198.29	-264.63	0.50	220.81		330.68	94.00	0.40	1.24
Jan-25-2020 01:14:23	4892.00	13.63	232.88	144.61	4852.28	-167.72	-211.77	-282.76	0.36	235.84		353.27	95.00	-0.27	-0.99
Jan-25-2020 01:14:23	4986.00	13.53	233.25	144.61	4943.65	-76.35	-225.04	-300.40	0.14	250.60		375.34	94.00	-0.11	0.39
Jan-25-2020 01:14:23	5080.00	13.18	234.35	144.61	5035.11	15.11	-237.86	-317.92	0.46	264.92		397.05	94.00	-0.37	1.17
Jan-25-2020 01:14:23	5175.00	13.38	233.58	147.31	5127.57	107.57	-250.70	-335.57	0.28	279.26		418.87	95.00	0.21	-0.81
Jan-25-2020 01:14:23	5267.00	13.57	233.61	147.31	5217.04	197.04	-263.42	-352.82	0.21	293.46		440.31	92.00	0.21	0.03
Jan-25-2020 01:14:23	5361.00	13.68	235.42	147.31	5308.39	288.39	-276.27	-370.85	0.47	307.84		462.45	94.00	0.12	1.93
Jan-25-2020 01:14:23	5456.00	13.46	236.53	150.02	5400.74	380.74	-288.75	-389.32	0.36	321.90		484.71	95.00	-0.23	1.17
Jan-25-2020 01:14:23	5550.00	13.47	236.15	152.72	5492.16	472.16	-300.88	-407.54	0.09	335.58		506.57	94.00	0.01	-0.40
Jan-25-2020 01:14:23	5644.00	13.38	239.77	155.42	5583.59	563.59	-312.45	-426.03	0.90	348.74		528.33	94.00	-0.10	3.85
Jan-25-2020 01:14:23	5738.00	13.21	237.56	247.33	5675.07	655.07	-323.69	-444.49	0.57	361.56		549.86	94.00	-0.18	-2.35
Jan-25-2020 01:14:23	5833.00	13.23	242.33	158.12	5767.56	747.56	-334.56	-463.28	1.15	374.04		571.45	95.00	0.02	5.02
Jan-25-2020 01:14:23	5927.00	13.55	239.39	160.83	5859.00	839.00	-345.16	-482.28	0.80	386.28		593.07	94.00	0.34	-3.13
Jan-25-2020 01:14:23	6022.00	12.76	237.41	160.83	5951.51	931.51	-356.48	-500.70	0.96	399.17		614.64	95.00	-0.83	-2.08
Jan-25-2020 01:14:23	6115.00	13.22	235.54	163.53	6042.13	1022.13	-368.03	-518.12	0.67	412.21		635.53	93.00	0.49	-2.01
Jan-25-2020	6304.00	13.17	236.43	166.23	6226.14	1206.14	-392.16	-553.88	0.11	439.40		678.66	189.00	-0.03	0.47



01:14:23																
Jan-25-2020 01:14:23	6399.00	13.29	237.81	166.23	6318.62	1298.62	-403.97	-572.14	0.36	452.76		700.38	95.00	0.13	1.45	
Jan-25-2020 00:51:41	6493.00	13.29	236.31	168.94	6410.10	1390.10	-415.71	-590.27	0.37	466.06	ATC_MWD	721.97	94.00	0.00	-1.60	
Jan-25-2020 01:11:12	6587.00	13.17	237.40	171.64	6501.61	1481.61	-427.48	-608.29	0.29	479.36	ATC_MWD	743.47	94.00	-0.13	1.16	
Jan-25-2020 01:30:43	6682.00	13.21	236.91	174.34	6594.10	1574.10	-439.23	-626.50	0.12	492.68	ATC_MWD	765.13	95.00	0.04	-0.52	
Jan-25-2020 01:50:17	6775.00	13.16	236.94	177.05	6684.65	1664.65	-450.81	-644.27	0.05	505.77	ATC_MWD	786.33	93.00	-0.05	0.03	
Jan-25-2020 02:11:06	6870.00	13.26	236.16	177.05	6777.14	1757.14	-462.78	-662.39	0.22	519.29	ATC_MWD	808.03	95.00	0.11	-0.82	
Jan-25-2020 02:28:57	6964.00	12.70	238.64	179.75	6868.73	1848.73	-474.16	-680.16	0.84	532.19	ATC_MWD	829.12	94.00	-0.60	2.64	
Jan-25-2020 02:46:40	7058.00	13.05	244.46	390.59	6960.37	1940.37	-484.11	-698.56	1.43	543.72	ATC_MWD	849.91	94.00	0.37	6.19	
Jan-25-2020 03:18:56	7153.00	13.48	234.52	179.75	7052.85	2032.85	-495.16	-717.26	2.44	556.38	ATC_MWD	871.58	95.00	0.45	-10.46	
Jan-25-2020 03:48:27	7247.00	18.50	213.72	179.75	7143.26	2123.26	-513.95	-734.49	8.03	576.61	ATC_MWD	896.45	94.00	5.34	-22.13	
Jan-25-2020 04:41:05	7342.00	25.82	208.47	179.75	7231.19	2211.19	-544.72	-752.74	7.98	608.87	ATC_MWD	929.16	95.00	7.71	-5.53	
Jan-25-2020 06:05:57	7436.00	34.75	191.37	179.75	7312.43	2292.43	-589.15	-767.84	13.13	654.46	ATC_MWD	967.82	94.00	9.50	-18.19	
Jan-25-2020 06:56:50	7530.00	44.59	189.14	179.75	7384.70	2364.70	-648.14	-778.39	10.58	714.14	ATC_MWD	1012.90	94.00	10.47	-2.37	
Jan-25-2020 07:40:41	7625.00	54.80	191.69	182.45	7446.08	2426.08	-719.27	-791.59	10.94	786.16	ATC_MWD	1069.56	95.00	10.75	2.68	
Jan-25-2020 08:20:16	7718.00	66.09	191.94	185.16	7491.87	2471.87	-798.32	-808.13	12.14	866.36	ATC_MWD	1135.96	93.00	12.14	0.27	
Jan-25-2020 09:17:21	7812.00	75.40	186.22	185.16	7522.86	2502.86	-885.83	-821.99	11.45	954.75	ATC_MWD	1208.46	94.00	9.90	-6.09	
Jan-25-2020 10:47:04	7907.00	79.34	181.04	179.75	7543.64	2523.64	-978.30	-827.82	6.75	1047.37	ATC_MWD	1281.55	95.00	4.15	-5.45	
Jan-25-2020 11:41:26	8001.00	86.95	181.04	179.75	7554.85	2534.85	-1071.54	-829.52	8.10	1140.40	ATC_MWD	1355.10	94.00	8.10	0.00	
Jan-25-2020 12:20:26	8096.00	91.69	181.33	185.16	7555.98	2535.98	-1166.49	-831.48	5.00	1235.15	ATC_MWD	1432.50	95.00	4.99	0.31	
Jan-25-2020 12:42:43	8190.00	90.18	181.41	187.86	7554.45	2534.45	-1260.45	-833.73	1.61	1328.94	ATC_MWD	1511.23	94.00	-1.61	0.09	
Jan-25-2020 13:10:44	8285.00	90.55	179.79	190.56	7553.84	2533.84	-1355.43	-834.72	1.75	1423.65	ATC_MWD	1591.84	95.00	0.39	-1.71	
Jan-25-2020 13:26:23	8379.00	89.51	179.35	193.27	7553.79	2533.79	-1449.43	-834.02	1.20	1517.22	ATC_MWD	1672.25	94.00	-1.11	-0.47	
Jan-25-2020 13:42:26	8474.00	90.92	180.95	195.97	7553.44	2533.44	-1544.42	-834.27	2.24	1611.87	ATC_MWD	1755.35	95.00	1.48	1.68	
Jan-25-2020 14:10:47	8568.00	89.54	180.25	195.97	7553.06	2533.06	-1638.42	-835.25	1.65	1705.58	ATC_MWD	1839.03	94.00	-1.47	-0.74	
Jan-25-	8663.00	89.17	179.98	198.67	7554.13	2534.13	-1733.41	-835.44	0.48	1800.22	ATC_MWD	1924.23	95.00	-0.39	-0.28	



2020 14:28:23																
Jan-25-2020 14:47:01	8757.00	89.88	180.21	201.37	7554.91	2534.91	-1827.40	-835.60	0.79	1893.86	ATC_MWD	2009.39	94.00	0.76	0.24	
Jan-25-2020 15:11:09	8850.00	89.48	181.41	201.37	7555.43	2535.43	-1920.39	-836.91	1.36	1986.61	ATC_MWD	2094.83	93.00	-0.43	1.29	
Jan-25-2020 15:32:01	8943.00	89.38	180.35	204.08	7556.35	2536.35	-2013.38	-838.34	1.14	2079.35	ATC_MWD	2180.94	93.00	-0.11	-1.14	
Jan-25-2020 15:52:02	9038.00	89.48	180.87	206.78	7557.30	2537.30	-2108.36	-839.35	0.56	2174.06	ATC_MWD	2269.30	95.00	0.11	0.55	
Jan-25-2020 16:18:23	9131.00	89.29	179.33	206.78	7558.30	2538.30	-2201.36	-839.51	1.67	2266.71	ATC_MWD	2356.00	93.00	-0.20	-1.66	
Jan-25-2020 16:38:36	9226.00	90.28	182.62	209.48	7558.65	2538.65	-2296.33	-841.13	3.62	2361.45	ATC_MWD	2445.53	95.00	1.04	3.46	
Jan-25-2020 17:02:23	9320.00	90.34	181.06	212.19	7558.14	2538.14	-2390.28	-844.15	1.66	2455.30	ATC_MWD	2534.96	94.00	0.06	-1.66	
Jan-25-2020 17:27:16	9414.00	90.68	180.15	209.48	7557.31	2537.31	-2484.27	-845.14	1.03	2549.02	ATC_MWD	2624.09	94.00	0.36	-0.97	
Jan-25-2020 17:45:07	9509.00	90.34	181.82	212.19	7556.46	2536.46	-2579.24	-846.77	1.79	2643.77	ATC_MWD	2714.69	95.00	-0.36	1.76	
Jan-25-2020 18:02:07	9603.00	91.11	178.99	214.89	7555.27	2535.27	-2673.22	-847.44	3.12	2737.44	ATC_MWD	2804.33	94.00	0.82	-3.01	
Jan-25-2020 18:26:08	9697.00	89.14	179.20	214.89	7555.07	2535.07	-2767.21	-845.95	2.11	2830.93	ATC_MWD	2893.63	94.00	-2.10	0.22	
Jan-25-2020 18:45:15	9791.00	90.22	179.57	214.89	7555.59	2535.59	-2861.20	-844.94	1.21	2924.47	ATC_MWD	2983.35	94.00	1.15	0.39	
Jan-25-2020 19:05:36	9885.00	90.74	180.69	217.59	7554.80	2534.80	-2955.19	-845.16	1.31	3018.12	ATC_MWD	3073.67	94.00	0.55	1.19	
Jan-25-2020 19:35:33	9980.00	89.94	181.08	217.59	7554.24	2534.24	-3050.18	-846.63	0.94	3112.86	ATC_MWD	3165.50	95.00	-0.84	0.41	
Jan-25-2020 19:55:26	10074.00	90.77	180.81	220.30	7553.66	2533.66	-3144.16	-848.18	0.93	3206.62	ATC_MWD	3256.56	94.00	0.88	-0.29	
Jan-25-2020 20:22:17	10168.00	89.97	181.98	220.30	7553.05	2533.05	-3238.13	-850.46	1.51	3300.42	ATC_MWD	3347.95	94.00	-0.85	1.24	
Jan-25-2020 20:42:13	10263.00	90.59	182.15	220.30	7552.59	2532.59	-3333.07	-853.89	0.68	3395.29	ATC_MWD	3440.71	95.00	0.65	0.18	
Jan-25-2020 21:01:55	10357.00	90.68	180.71	223.00	7551.55	2531.55	-3427.03	-856.23	1.53	3489.10	ATC_MWD	3532.37	94.00	0.10	-1.53	
Jan-25-2020 21:21:52	10451.00	90.80	182.74	223.00	7550.33	2530.33	-3520.98	-859.06	2.16	3582.93	ATC_MWD	3624.26	94.00	0.13	2.16	
Jan-25-2020 21:41:59	10546.00	90.68	180.32	223.00	7549.10	2529.10	-3615.93	-861.60	2.55	3677.73	ATC_MWD	3717.16	95.00	-0.13	-2.55	
Jan-25-2020 21:59:13	10640.00	90.37	180.16	225.70	7548.24	2528.24	-3709.92	-861.99	0.37	3771.40	ATC_MWD	3808.75	94.00	-0.33	-0.17	
Jan-25-2020 22:24:24	10734.00	89.14	181.87	225.70	7548.65	2528.65	-3803.90	-863.66	2.24	3865.16	ATC_MWD	3900.71	94.00	-1.31	1.82	
Jan-25-2020 22:48:38	10828.00	91.05	181.77	225.70	7548.49	2528.49	-3897.85	-866.64	2.03	3959.00	ATC_MWD	3993.03	94.00	2.03	-0.11	
Jan-25-2020 23:15:47	10922.00	88.21	181.35	225.70	7549.10	2529.10	-3991.80	-869.20	3.05	4052.82	ATC_MWD	4085.34	94.00	-3.02	-0.45	



Jan-25-2020 23:44:18	11015.00	89.63	182.09	225.70	7550.85	2530.85	-4084.74	-871.99	1.72	4145.64	ATC_MWD	4176.78	93.00	1.53	0.80
Jan-26-2020 00:08:27	11108.00	89.35	181.70	228.41	7551.68	2531.68	-4177.69	-875.07	0.52	4238.50	ATC_MWD	4268.35	93.00	-0.30	-0.42
Jan-26-2020 00:32:46	11202.00	89.11	181.34	231.11	7552.94	2532.94	-4271.64	-877.56	0.46	4332.31	ATC_MWD	4360.85	94.00	-0.26	-0.38
Jan-26-2020 01:07:30	11297.00	89.82	181.94	231.11	7553.83	2533.83	-4366.60	-880.28	0.98	4427.14	ATC_MWD	4454.45	95.00	0.75	0.63
Jan-26-2020 01:33:19	11391.00	90.00	181.31	231.11	7553.97	2533.97	-4460.56	-882.94	0.70	4520.97	ATC_MWD	4547.11	94.00	0.19	-0.67
Jan-26-2020 02:02:23	11485.00	90.49	180.56	231.11	7553.57	2533.57	-4554.55	-884.48	0.95	4614.72	ATC_MWD	4639.63	94.00	0.52	-0.80
Jan-26-2020 02:28:14	11580.00	90.06	180.93	233.81	7553.12	2533.12	-4649.54	-885.71	0.60	4709.45	ATC_MWD	4733.15	95.00	-0.45	0.39
Jan-26-2020 02:53:14	11674.00	89.85	180.75	233.81	7553.19	2533.19	-4743.53	-887.09	0.29	4803.20	ATC_MWD	4825.76	94.00	-0.22	-0.19
Jan-26-2020 03:20:45	11769.00	90.00	180.77	236.52	7553.32	2533.32	-4838.52	-888.35	0.16	4897.93	ATC_MWD	4919.39	95.00	0.16	0.02
Jan-26-2020 04:15:35	11863.00	90.12	180.65	231.11	7553.22	2533.22	-4932.51	-889.52	0.18	4991.66	ATC_MWD	5012.08	94.00	0.13	-0.13
Jan-26-2020 04:48:40	11958.00	89.88	178.82	236.52	7553.22	2533.22	-5027.51	-889.08	1.94	5086.25	ATC_MWD	5105.51	95.00	-0.25	-1.93
Jan-26-2020 05:29:01	12052.00	90.46	180.03	233.81	7552.94	2532.94	-5121.50	-888.13	1.43	5179.80	ATC_MWD	5197.94	94.00	0.62	1.29
Jan-26-2020 06:11:16	12146.00	90.52	180.42	233.81	7552.13	2532.13	-5215.49	-888.50	0.42	5273.46	ATC_MWD	5290.64	94.00	0.06	0.41
Jan-26-2020 07:02:02	12241.00	90.92	180.24	233.81	7550.94	2530.94	-5310.49	-889.05	0.46	5368.13	ATC_MWD	5384.39	95.00	0.42	-0.19
Jan-26-2020 07:45:54	12335.00	91.45	179.76	236.52	7549.00	2529.00	-5404.46	-889.05	0.76	5461.74	ATC_MWD	5477.10	94.00	0.56	-0.51
Jan-26-2020 08:21:34	12429.00	91.69	180.26	236.52	7546.42	2526.42	-5498.43	-889.07	0.59	5555.35	ATC_MWD	5569.84	94.00	0.26	0.53
Jan-26-2020 08:54:34	12524.00	91.57	180.33	239.22	7543.72	2523.72	-5593.39	-889.56	0.15	5649.98	ATC_MWD	5663.68	95.00	-0.13	0.07
Jan-26-2020 09:22:53	12618.00	91.57	179.60	239.22	7541.14	2521.14	-5687.35	-889.50	0.78	5743.57	ATC_MWD	5756.49	94.00	0.00	-0.78
Jan-26-2020 10:47:31	12712.00	90.95	179.69	236.52	7539.08	2519.08	-5781.33	-888.92	0.67	5837.13	ATC_MWD	5849.27	94.00	-0.66	0.10
Jan-26-2020 11:13:32	12807.00	90.58	180.53	239.22	7537.81	2517.81	-5876.32	-889.10	0.97	5931.77	ATC_MWD	5943.20	95.00	-0.39	0.88
Jan-26-2020 11:50:33	12901.00	90.03	180.58	236.52	7537.31	2517.31	-5970.31	-890.01	0.59	6025.48	ATC_MWD	6036.29	94.00	-0.59	0.05
Jan-26-2020 12:16:14	12994.00	89.48	179.44	239.22	7537.70	2517.70	-6063.31	-890.02	1.36	6118.12	ATC_MWD	6128.28	93.00	-0.59	-1.23
Jan-26-2020 12:39:36	13088.00	90.83	179.82	239.22	7537.45	2517.45	-6157.31	-889.42	1.49	6211.70	ATC_MWD	6221.21	94.00	1.44	0.40
Jan-26-2020 13:23:08	13182.00	90.40	179.90	239.22	7536.44	2516.44	-6251.30	-889.19	0.47	6305.30	ATC_MWD	6314.22	94.00	-0.46	0.09
Jan-26-2020	13277.00	89.41	180.17	241.92	7536.60	2516.60	-6346.30	-889.25	1.08	6399.94	ATC_MWD	6408.30	95.00	-1.04	0.28



13:46:03																
Jan-26-2020 14:10:21	13371.00	89.69	180.41	241.92	7537.34	2517.34	-6440.29	-889.72	0.39	6493.61	ATC_MWD	6501.46	94.00	0.30	0.26	
Jan-26-2020 14:43:21	13465.00	90.65	180.30	241.92	7537.06	2517.06	-6534.29	-890.30	1.03	6587.30	ATC_MWD	6594.66	94.00	1.02	-0.12	
Jan-26-2020 15:09:29	13558.00	89.78	179.91	244.62	7536.71	2516.71	-6627.29	-890.47	1.03	6679.95	ATC_MWD	6686.85	93.00	-0.94	-0.42	
Jan-26-2020 15:34:43	13653.00	89.69	180.05	244.62	7537.15	2517.15	-6722.29	-890.44	0.18	6774.57	ATC_MWD	6781.01	95.00	-0.09	0.15	
Jan-26-2020 16:12:49	13746.00	90.43	180.29	241.92	7537.05	2517.05	-6815.29	-890.72	0.84	6867.24	ATC_MWD	6873.25	93.00	0.80	0.26	
Jan-26-2020 16:39:09	13841.00	92.53	180.44	244.62	7534.60	2514.60	-6910.25	-891.32	2.22	6961.88	ATC_MWD	6967.49	95.00	2.21	0.16	
Jan-26-2020 17:03:50	13935.00	90.00	180.03	244.62	7532.52	2512.52	-7004.22	-891.71	2.73	7055.52	ATC_MWD	7060.75	94.00	-2.69	-0.44	
Jan-26-2020 17:36:01	14030.00	91.23	180.34	247.33	7531.50	2511.50	-7099.21	-892.01	1.34	7150.17	ATC_MWD	7155.03	95.00	1.29	0.33	
Jan-26-2020 18:06:45	14124.00	89.29	180.39	244.62	7531.08	2511.08	-7193.20	-892.61	2.06	7243.85	ATC_MWD	7248.37	94.00	-2.06	0.05	
Jan-26-2020 18:26:18	14219.00	89.82	181.11	244.62	7531.81	2511.81	-7288.19	-893.86	0.94	7338.58	ATC_MWD	7342.80	95.00	0.56	0.76	
Jan-26-2020 18:47:35	14313.00	90.03	180.14	247.33	7531.94	2511.94	-7382.18	-894.88	1.06	7432.30	ATC_MWD	7436.22	94.00	0.22	-1.03	
Jan-26-2020 19:07:52	14407.00	89.85	180.09	247.33	7532.04	2512.04	-7476.18	-895.07	0.20	7525.95	ATC_MWD	7529.57	94.00	-0.19	-0.05	
Jan-26-2020 19:26:50	14500.00	89.57	179.92	247.33	7532.51	2512.51	-7569.18	-895.08	0.35	7618.59	ATC_MWD	7621.92	93.00	-0.30	-0.18	
Jan-26-2020 19:45:59	14595.00	89.82	180.77	247.33	7533.01	2513.01	-7664.18	-895.65	0.93	7713.27	ATC_MWD	7716.33	95.00	0.26	0.89	
Jan-26-2020 20:07:58	14689.00	87.60	179.85	247.33	7535.13	2515.13	-7758.14	-896.16	2.56	7806.91	ATC_MWD	7809.73	94.00	-2.36	-0.98	
Jan-26-2020 20:41:26	14784.00	89.45	180.08	247.33	7537.57	2517.57	-7853.11	-896.10	1.96	7901.50	ATC_MWD	7904.07	95.00	1.95	0.24	
Jan-26-2020 21:05:41	14878.00	89.69	180.75	250.03	7538.28	2518.28	-7947.10	-896.78	0.76	7995.19	ATC_MWD	7997.54	94.00	0.26	0.71	
Jan-26-2020 21:32:33	14972.00	90.40	180.47	250.03	7538.21	2518.21	-8041.10	-897.78	0.81	8088.91	ATC_MWD	8091.06	94.00	0.76	-0.30	
Jan-26-2020 21:51:53	15067.00	89.91	179.59	250.03	7537.95	2517.95	-8136.09	-897.83	1.06	8183.54	ATC_MWD	8185.48	95.00	-0.52	-0.93	
Jan-26-2020 22:18:13	15161.00	88.89	180.51	250.03	7538.93	2518.93	-8230.09	-897.91	1.46	8277.18	ATC_MWD	8278.92	94.00	-1.09	0.98	
Jan-26-2020 22:37:12	15256.00	88.15	179.78	250.03	7541.39	2521.39	-8325.05	-898.16	1.09	8371.80	ATC_MWD	8373.36	95.00	-0.78	-0.77	
Jan-26-2020 22:56:50	15350.00	90.15	180.61	250.03	7542.78	2522.78	-8419.04	-898.48	2.30	8465.45	ATC_MWD	8466.84	94.00	2.13	0.88	
Jan-26-2020 23:16:38	15444.00	89.26	180.14	250.03	7543.26	2523.26	-8513.03	-899.09	1.07	8559.13	ATC_MWD	8560.38	94.00	-0.95	-0.50	
Jan-26-2020 23:35:49	15539.00	89.42	180.80	252.73	7544.36	2524.36	-8608.02	-899.87	0.71	8653.82	ATC_MWD	8654.93	95.00	0.17	0.69	
Jan-26-	15633.00	89.75	180.44	252.73	7545.04	2525.04	-8702.01	-900.89	0.52	8747.54	ATC_MWD	8748.52	94.00	0.35	-0.38	



2020 23:55:31																
Jan-27-2020 00:16:49	15728.00	89.66	180.40	252.73	7545.53	2525.53	-8797.01	-901.58	0.10	8842.23	ATC_MWD	8843.09	95.00	-0.09	-0.04	
Jan-27-2020 00:36:11	15822.00	89.54	180.48	252.73	7546.19	2526.19	-8891.01	-902.30	0.15	8935.92	ATC_MWD	8936.67	94.00	-0.13	0.09	
Jan-27-2020 00:55:24	15916.00	89.94	180.21	252.73	7546.61	2526.61	-8985.00	-902.87	0.51	9029.60	ATC_MWD	9030.25	94.00	0.43	-0.29	
Jan-27-2020 01:15:42	16010.00	89.82	181.14	252.73	7546.81	2526.81	-9079.00	-903.98	1.00	9123.33	ATC_MWD	9123.89	94.00	-0.13	0.99	
Jan-27-2020 01:38:46	16105.00	89.82	180.32	255.44	7547.11	2527.11	-9173.99	-905.19	0.86	9218.05	ATC_MWD	9218.54	95.00	0.00	-0.86	
Jan-27-2020 02:10:39	16199.00	89.75	180.52	255.44	7547.46	2527.46	-9267.98	-905.88	0.23	9311.75	ATC_MWD	9312.15	94.00	-0.07	0.21	
Jan-27-2020 02:35:04	16293.00	91.20	179.67	255.44	7546.68	2526.68	-9361.98	-906.03	1.79	9405.39	ATC_MWD	9405.72	94.00	1.54	-0.90	
Jan-27-2020 02:56:58	16388.00	90.95	180.36	255.44	7544.90	2524.90	-9456.96	-906.06	0.77	9500.01	ATC_MWD	9500.26	95.00	-0.26	0.73	
Jan-27-2020 03:38:14	16482.00	90.80	179.95	252.73	7543.46	2523.46	-9550.95	-906.31	0.46	9593.65	ATC_MWD	9593.85	94.00	-0.16	-0.44	
Jan-27-2020 04:03:09	16576.00	90.28	180.58	255.44	7542.58	2522.58	-9644.94	-906.75	0.87	9687.32	ATC_MWD	9687.47	94.00	-0.55	0.67	
Jan-27-2020 05:19:28	16764.00	90.62	180.46	255.44	7541.10	2521.10	-9832.93	-908.45	0.19	9874.73	ATC_MWD	9874.80	188.00	0.18	-0.06	
Jan-27-2020 06:48:28	16859.00	88.00	180.33	252.73	7542.24	2522.24	-9927.91	-909.11	2.76	9969.40	ATC_MWD	9969.45	95.00	-2.76	-0.14	
Jan-27-2020 08:28:08	16953.00	87.29	180.19	250.03	7546.11	2526.11	-10021.83	-909.53	0.77	10062.99	ATC_MWD	10063.02	94.00	-0.76	-0.15	
Proj Jan-27-2020 08:30:16	17072.00	87.29	180.19		7551.73		-10140.70	-909.93	0.00	10181.43		10181.44	119.00	0.00	0.00	