

Company:	Baker Hughes	Long:	104° 56' 26.5704" W	GT:	9.799 (m/s2)
Customer/Operator:	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Lat:	40° 23' 21.174" N	BT:	52083 (nT)
Date Range:	11/6/2020 - 11/9/2020	Ref North:	True	DIP:	66.52 (deg)
Rig Name:	Precision 461	Mag Declination:	7.99 (deg) E	Nominal Mag Ref:	IFR1
Rig Elv/Dat:	4876.00 (ft) / MSL	TAC:	7.99 (deg)	Non-Mag Spacing:	Short
Well:	Cummings 19-1HZ	Ver.Sec.Az:	269.84 (deg)	MagCorr:	OFF
Wellbore:	Cummings 19-1HZ				

Tie/ Proj	Survey Date/ Time	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	True Vertical Depth (ft)	Northing (ft)	Easting (ft)	DLS (deg/100ft)	Vertical Section (ft)	Course Length (ft)
Tie	Nov-06-2020 08:54:45	20.00	0.00	250.41		20.00	0.00	0.00	0.00	0.00	20.00
	Nov-06-2020 08:54:45	96.00	0.08	250.41		96.00	-0.02	-0.05	0.11	0.05	76.00
	Nov-06-2020 08:54:45	183.00	0.29	318.61		183.00	0.13	-0.25	0.31	0.25	87.00
	Nov-06-2020 08:54:45	267.00	0.60	341.29		267.00	0.70	-0.53	0.42	0.53	84.00
	Nov-06-2020 08:54:45	355.00	1.98	345.82		354.97	2.61	-1.05	1.57	1.05	88.00
	Nov-06-2020 08:54:45	445.00	3.07	338.96		444.88	6.37	-2.30	1.25	2.28	90.00
	Nov-06-2020 08:54:45	534.00	4.90	338.06		533.67	12.12	-4.58	2.06	4.54	89.00
	Nov-06-2020 08:54:45	624.00	6.41	341.25		623.22	20.44	-7.63	1.71	7.57	90.00
	Nov-06-2020 08:54:45	714.00	7.78	341.31		712.53	30.97	-11.20	1.52	11.11	90.00
	Nov-06-2020 08:54:45	804.00	8.77	339.19		801.60	43.16	-15.58	1.15	15.46	90.00
	Nov-06-2020 08:54:45	894.00	10.81	337.48		890.28	57.37	-21.26	2.29	21.10	90.00
	Nov-06-2020 08:54:45	984.00	12.06	335.48		978.49	73.72	-28.39	1.46	28.18	90.00
	Nov-06-2020 08:54:45	1074.00	12.53	334.44		1066.43	91.08	-36.50	0.58	36.25	90.00
	Nov-06-2020 08:54:45	1164.00	14.08	334.65		1154.01	109.78	-45.40	1.72	45.10	90.00
	Nov-06-2020 08:54:45	1254.00	14.86	335.14		1241.15	130.15	-54.94	0.88	54.58	90.00
	Nov-06-2020 08:54:45	1344.00	15.69	334.33		1327.97	151.59	-65.07	0.95	64.64	90.00
	Nov-06-2020 08:54:45	1433.00	17.19	334.21		1413.33	174.28	-76.00	1.69	75.52	89.00
	Nov-06-2020 08:54:45	1523.00	19.35	335.69		1498.79	199.84	-87.93	2.45	87.37	90.00
	Nov-06-2020 08:54:45	1613.00	18.77	335.80		1583.86	226.64	-100.00	0.65	99.37	90.00
	Nov-06-2020 08:54:45	1703.00	19.79	336.64		1668.81	253.83	-111.98	1.17	111.27	90.00
	Nov-06-2020 08:54:45	1793.00	19.50	335.53		1753.57	281.49	-124.24	0.53	123.46	90.00
	Nov-06-2020 08:54:45	1847.00	19.05	334.64		1804.54	297.66	-131.75	1.00	130.92	54.00
	Nov-06-2020 08:54:45	1951.00	19.07	332.81		1902.84	328.11	-146.78	0.57	145.87	104.00
	Nov-06-2020 08:54:45	2043.00	18.81	334.50		1989.86	354.86	-160.04	0.66	159.04	92.00
	Nov-06-2020 08:54:45	2135.00	19.23	335.47		2076.84	382.03	-172.71	0.57	171.64	92.00
	Nov-06-2020 08:54:45	2229.00	19.16	336.09		2165.61	410.22	-185.39	0.23	184.24	94.00
	Nov-06-2020 08:54:45	2324.00	19.30	336.89		2255.31	438.91	-197.87	0.31	196.64	95.00
	Nov-06-2020 08:54:45	2417.00	19.31	336.38		2343.08	467.14	-210.06	0.18	208.76	93.00
	Nov-06-2020	2510.00	18.93	336.66		2430.95	495.07	-222.20	0.42	220.82	93.00

	08:54:45										
	Nov-06-2020 08:54:45	2602.00	19.07	336.89		2517.94	522.60	-234.01	0.17	232.55	92.00
	Nov-06-2020 08:54:45	2696.00	19.20	336.93		2606.75	550.94	-246.10	0.14	244.56	94.00
	Nov-06-2020 08:54:45	2788.00	18.73	336.85		2693.75	578.44	-257.83	0.51	256.22	92.00
	Nov-06-2020 08:54:45	2881.00	18.68	337.15		2781.84	605.90	-269.49	0.12	267.79	93.00
	Nov-06-2020 08:54:45	2974.00	18.71	337.10		2869.93	633.36	-281.07	0.04	279.30	93.00
	Nov-06-2020 08:54:45	3066.00	18.60	336.77		2957.10	660.44	-292.60	0.17	290.76	92.00
	Nov-06-2020 08:54:45	3159.00	18.72	337.93		3045.21	687.90	-304.06	0.42	302.14	93.00
	Nov-06-2020 08:54:45	3253.00	18.72	337.34		3134.24	715.80	-315.54	0.20	313.54	94.00
	Nov-06-2020 08:54:45	3347.00	19.21	336.76		3223.14	743.93	-327.45	0.56	325.37	94.00
	Nov-06-2020 08:54:45	3440.00	19.01	336.80		3311.01	771.91	-339.46	0.22	337.30	93.00
	Nov-06-2020 08:54:45	3533.00	19.47	336.79		3398.82	800.07	-351.53	0.49	349.30	93.00
	Nov-06-2020 08:54:45	3626.00	19.41	335.68		3486.52	828.40	-364.00	0.40	361.69	93.00
	Nov-06-2020 08:54:45	3719.00	19.37	335.98		3574.24	856.57	-376.65	0.12	374.25	93.00
	Nov-06-2020 08:54:45	3812.00	19.47	336.28		3661.95	884.85	-389.16	0.15	386.69	93.00
	Nov-06-2020 08:54:45	3906.00	19.12	337.23		3750.67	913.38	-401.42	0.50	398.87	94.00
	Nov-06-2020 08:54:45	3999.00	19.13	337.84		3838.54	941.54	-413.06	0.22	410.43	93.00
	Nov-06-2020 08:54:45	4092.00	19.51	337.70		3926.30	970.02	-424.70	0.41	421.99	93.00
	Nov-06-2020 08:54:45	4185.00	19.77	338.68		4013.89	999.04	-436.31	0.45	433.52	93.00
	Nov-06-2020 08:54:45	4278.00	18.94	337.41		4101.63	1027.63	-447.83	1.00	444.96	93.00
	Nov-06-2020 08:54:45	4372.00	16.72	337.83		4191.11	1054.24	-458.79	2.37	455.85	94.00
	Nov-06-2020 08:54:45	4465.00	14.55	338.70		4280.67	1077.51	-468.09	2.35	465.08	93.00
	Nov-06-2020 08:54:45	4558.00	12.63	337.82		4371.06	1097.82	-476.17	2.08	473.10	93.00
	Nov-06-2020 08:54:45	4651.00	10.65	338.45		4462.14	1115.23	-483.16	2.13	480.05	93.00
	Nov-06-2020 08:54:45	4742.00	8.82	337.37		4551.83	1129.49	-488.94	2.02	485.78	91.00
	Nov-06-2020 08:54:45	4835.00	6.46	338.38		4643.99	1140.93	-493.61	2.54	490.42	93.00
	Nov-06-2020 08:54:45	4928.00	6.02	334.22		4736.44	1150.19	-497.66	0.68	494.44	93.00
	Nov-06-2020 08:54:45	5023.00	4.43	328.10		4831.05	1157.79	-501.76	1.77	498.53	95.00
	Nov-06-2020 08:54:45	5115.00	2.92	329.80		4922.86	1162.83	-504.82	1.65	501.57	92.00
	Nov-06-2020 08:54:45	5208.00	1.92	332.98		5015.77	1166.27	-506.72	1.08	503.46	93.00
	Nov-06-2020 08:54:45	5302.00	0.31	172.68		5109.76	1167.42	-507.40	2.36	504.14	94.00
	Nov-06-2020 08:54:45	5396.00	0.11	160.69		5203.76	1167.08	-507.34	0.22	504.08	94.00
	Nov-06-2020 08:54:45	5488.00	0.17	223.42		5295.75	1166.90	-507.41	0.17	504.14	92.00
	Nov-06-2020 08:54:45	5581.00	0.22	279.64		5388.75	1166.83	-507.68	0.20	504.42	93.00
	Nov-06-2020 08:54:45	5673.00	0.10	252.60		5480.75	1166.83	-507.93	0.15	504.67	92.00
	Nov-06-2020 08:54:45	5767.00	0.11	256.93		5574.75	1166.79	-508.09	0.01	504.83	94.00
	Nov-06-2020 08:54:45	5861.00	0.10	245.80		5668.75	1166.73	-508.26	0.02	505.00	94.00
	Nov-06-2020	5954.00	0.15	235.88	150.02	5761.75	1166.63	-508.43	0.06	505.17	93.00

	08:50:36										
	Nov-06-2020 09:08:30	6048.00	0.09	223.00	150.02	5855.75	1166.51	-508.58	0.07	505.32	94.00
	Nov-06-2020 09:25:50	6140.00	0.13	214.72	152.72	5947.75	1166.37	-508.69	0.05	505.43	92.00
	Nov-06-2020 09:44:07	6234.00	0.17	242.95	152.72	6041.75	1166.22	-508.88	0.09	505.62	94.00
	Nov-06-2020 10:01:06	6327.00	0.06	226.94	155.42	6134.75	1166.12	-509.04	0.12	505.78	93.00
	Nov-06-2020 10:29:55	6421.00	0.11	270.51	155.42	6228.75	1166.09	-509.16	0.08	505.90	94.00
	Nov-06-2020 11:28:21	6515.00	5.21	270.26	155.42	6322.62	1166.11	-513.52	5.43	510.26	94.00
	Nov-06-2020 11:54:44	6608.00	13.09	266.59	158.12	6414.37	1165.50	-528.28	8.49	525.02	93.00
	Nov-06-2020 12:31:16	6702.00	18.41	265.65	163.53	6504.80	1163.74	-553.73	5.67	550.47	94.00
	Nov-06-2020 13:25:18	6796.00	25.43	269.42	166.23	6591.96	1162.41	-588.75	7.61	585.50	94.00
	Nov-06-2020 14:25:36	6889.00	34.93	267.79	166.23	6672.26	1161.18	-635.43	10.25	632.19	93.00
	Nov-06-2020 15:00:29	6981.00	42.43	270.57	168.94	6744.03	1160.47	-692.87	8.37	689.63	92.00
	Nov-06-2020 15:33:04	7075.00	50.03	269.97	171.64	6809.01	1160.77	-760.70	8.10	757.46	94.00
	Nov-06-2020 16:18:08	7169.00	55.92	270.17	174.34	6865.59	1160.86	-835.71	6.27	832.47	94.00
	Nov-06-2020 17:04:30	7263.00	64.17	270.29	174.34	6912.49	1161.19	-917.09	8.78	913.84	94.00
	Nov-06-2020 17:36:14	7355.00	72.62	271.49	179.75	6946.33	1162.55	-1002.53	9.26	999.28	92.00
	Nov-06-2020 18:13:27	7447.00	79.03	272.66	179.75	6968.85	1165.79	-1091.62	7.08	1088.36	92.00
	Nov-06-2020 19:13:59	7541.00	84.42	273.40	177.05	6982.38	1170.71	-1184.48	5.79	1181.21	94.00
	Nov-06-2020 19:49:16	7634.00	90.28	271.15	179.75	6986.67	1174.39	-1277.26	6.75	1273.98	93.00
	Nov-06-2020 20:10:45	7729.00	90.06	271.65	182.45	6986.39	1176.71	-1372.23	0.58	1368.94	95.00
	Nov-06-2020 20:42:24	7822.00	91.14	272.00	182.45	6985.42	1179.67	-1465.18	1.22	1461.88	93.00
	Nov-06-2020 21:12:15	7915.00	90.77	271.03	185.16	6983.87	1182.13	-1558.13	1.12	1554.82	93.00
	Nov-06-2020 21:34:41	8008.00	90.77	266.74	187.86	6982.62	1180.32	-1651.08	4.61	1647.78	93.00
	Nov-06-2020 21:58:42	8101.00	90.03	267.23	190.56	6981.97	1175.43	-1743.95	0.95	1740.66	93.00
	Nov-06-2020 22:23:19	8196.00	89.32	268.78	190.56	6982.51	1172.12	-1838.89	1.79	1835.61	95.00
	Nov-06-2020 22:39:01	8288.00	89.17	270.17	193.27	6983.72	1171.28	-1930.87	1.52	1927.60	92.00
	Nov-06-2020 22:56:49	8382.00	90.06	268.79	193.27	6984.35	1170.43	-2024.87	1.75	2021.59	94.00
	Nov-06-2020 23:21:47	8476.00	88.43	268.52	195.97	6985.59	1168.22	-2118.83	1.76	2115.56	94.00
	Nov-06-2020 23:58:28	8570.00	91.29	268.55	190.56	6985.82	1165.82	-2212.79	3.04	2209.52	94.00
	Nov-07-2020 00:18:09	8664.00	88.80	266.89	195.97	6985.75	1162.08	-2306.70	3.18	2303.45	94.00
	Nov-07-2020 00:41:24	8758.00	90.52	269.84	198.67	6986.30	1159.40	-2400.65	3.63	2397.40	94.00
	Nov-07-2020 01:07:19	8851.00	90.22	269.46	198.67	6985.70	1158.83	-2493.64	0.52	2490.40	93.00
	Nov-07-2020 01:26:13	8945.00	90.28	269.22	201.37	6985.29	1157.75	-2587.64	0.26	2584.39	94.00
	Nov-07-2020 01:49:44	9039.00	89.94	269.92	201.37	6985.11	1157.04	-2681.63	0.83	2678.39	94.00
	Nov-07-2020 02:12:23	9132.00	89.97	269.76	201.37	6985.19	1156.78	-2774.63	0.18	2771.39	93.00
	Nov-07-2020 02:28:57	9227.00	90.52	272.14	204.08	6984.78	1158.36	-2869.61	2.57	2866.37	95.00
	Nov-07-2020 02:44:45	9320.00	91.14	270.25	206.78	6983.43	1160.30	-2962.58	2.14	2959.33	93.00
	Nov-07-2020	9415.00	90.34	271.65	206.78	6982.20	1161.87	-3057.55	1.70	3054.30	95.00

	03:01:20										
	Nov-07-2020 03:20:46	9509.00	90.49	270.98	206.78	6981.52	1164.03	-3151.53	0.73	3148.26	94.00
	Nov-07-2020 03:44:00	9604.00	90.65	270.17	206.78	6980.58	1164.98	-3246.52	0.87	3243.25	95.00
	Nov-07-2020 04:05:19	9698.00	90.40	270.19	209.48	6979.72	1165.28	-3340.51	0.27	3337.24	94.00
	Nov-07-2020 04:24:04	9791.00	90.15	269.58	209.48	6979.27	1165.09	-3433.51	0.71	3430.24	93.00
	Nov-07-2020 04:40:49	9885.00	90.65	269.63	212.19	6978.61	1164.44	-3527.50	0.53	3524.24	94.00
	Nov-07-2020 05:01:02	9980.00	90.40	269.95	212.19	6977.74	1164.09	-3622.50	0.43	3619.23	95.00
	Nov-07-2020 05:17:06	10074.00	89.42	269.49	212.19	6977.89	1163.63	-3716.50	1.15	3713.23	94.00
	Nov-07-2020 05:33:28	10168.00	89.23	268.92	214.89	6979.00	1162.33	-3810.48	0.64	3807.22	94.00
	Nov-07-2020 05:55:20	10262.00	89.60	270.40	214.89	6979.96	1161.77	-3904.47	1.62	3901.21	94.00
	Nov-07-2020 06:20:25	10356.00	89.08	270.03	214.89	6981.04	1162.13	-3998.46	0.68	3995.20	94.00
	Nov-07-2020 06:42:52	10450.00	89.48	269.86	214.89	6982.22	1162.04	-4092.46	0.46	4089.20	94.00
	Nov-07-2020 07:04:30	10544.00	89.23	269.66	217.59	6983.28	1161.64	-4186.45	0.34	4183.19	94.00
	Nov-07-2020 07:24:36	10639.00	90.46	271.37	217.59	6983.54	1162.50	-4281.44	2.22	4278.18	95.00
	Nov-07-2020 07:45:56	10732.00	89.72	270.23	217.59	6983.39	1163.79	-4374.43	1.46	4371.16	93.00
	Nov-07-2020 08:06:19	10826.00	90.28	270.71	220.30	6983.39	1164.56	-4468.43	0.78	4465.16	94.00
	Nov-07-2020 09:08:46	10920.00	90.34	270.86	212.19	6982.88	1165.85	-4562.41	0.17	4559.14	94.00
	Nov-07-2020 09:32:18	11013.00	89.66	270.39	217.59	6982.88	1166.87	-4655.41	0.89	4652.13	93.00
	Nov-07-2020 09:53:19	11108.00	89.85	270.08	220.30	6983.29	1167.26	-4750.41	0.38	4747.13	95.00
	Nov-07-2020 10:13:57	11203.00	89.85	270.18	220.30	6983.54	1167.47	-4845.41	0.11	4842.13	95.00
	Nov-07-2020 10:40:58	11297.00	89.75	270.30	220.30	6983.87	1167.87	-4939.40	0.17	4936.12	94.00
	Nov-07-2020 11:20:12	11390.00	90.86	269.83	214.89	6983.37	1167.97	-5032.40	1.30	5029.12	93.00
	Nov-07-2020 11:40:32	11483.00	90.00	269.79	223.00	6982.67	1167.66	-5125.40	0.93	5122.12	93.00
	Nov-07-2020 12:00:48	11577.00	89.60	270.13	225.70	6983.00	1167.60	-5219.40	0.56	5216.12	94.00
	Nov-07-2020 12:19:45	11671.00	89.94	270.27	225.70	6983.38	1167.93	-5313.40	0.39	5310.11	94.00
	Nov-07-2020 12:39:09	11765.00	89.78	270.01	228.41	6983.61	1168.16	-5407.39	0.32	5404.11	94.00
	Nov-07-2020 12:57:12	11860.00	89.91	271.57	228.41	6983.87	1169.47	-5502.38	1.65	5499.09	95.00
	Nov-07-2020 13:21:01	11953.00	90.55	270.48	228.41	6983.49	1171.13	-5595.36	1.36	5592.07	93.00
	Nov-07-2020 13:39:25	12048.00	89.51	269.82	231.11	6983.44	1171.38	-5690.36	1.30	5687.07	95.00
	Nov-07-2020 13:59:04	12141.00	89.82	269.54	231.11	6983.99	1170.86	-5783.36	0.45	5780.07	93.00
	Nov-07-2020 14:21:28	12234.00	89.72	269.42	231.11	6984.36	1170.01	-5876.35	0.17	5873.06	93.00
	Nov-07-2020 14:46:29	12328.00	89.60	269.31	231.11	6984.92	1168.97	-5970.35	0.17	5967.06	94.00
	Nov-07-2020 15:06:43	12422.00	89.75	269.77	233.81	6985.45	1168.22	-6064.34	0.51	6061.06	94.00
	Nov-07-2020 15:26:35	12516.00	89.69	269.66	233.81	6985.91	1167.75	-6158.34	0.13	6155.06	94.00
	Nov-07-2020 15:52:11	12609.00	90.40	269.97	233.81	6985.84	1167.45	-6251.34	0.83	6248.05	93.00
	Nov-07-2020 16:13:08	12704.00	90.25	269.62	236.52	6985.30	1167.11	-6346.34	0.40	6343.05	95.00
	Nov-07-2020 16:34:09	12797.00	89.75	269.48	236.52	6985.30	1166.38	-6439.33	0.56	6436.05	93.00
	Nov-07-2020	12891.00	90.34	270.12	236.52	6985.22	1166.05	-6533.33	0.93	6530.05	94.00

	16:54:25										
	Nov-07-2020 17:13:18	12985.00	90.46	269.71	236.52	6984.57	1165.91	-6627.33	0.45	6624.05	94.00
	Nov-07-2020 17:34:31	13078.00	90.40	269.68	239.22	6983.87	1165.42	-6720.33	0.07	6717.04	93.00
	Nov-07-2020 17:55:31	13171.00	90.18	269.57	239.22	6983.40	1164.81	-6813.32	0.26	6810.04	93.00
	Nov-07-2020 18:17:15	13263.00	90.89	269.90	239.22	6982.54	1164.38	-6905.32	0.85	6902.04	92.00
	Nov-07-2020 18:34:29	13358.00	89.97	269.40	239.22	6981.83	1163.80	-7000.31	1.10	6997.03	95.00
	Nov-07-2020 19:07:12	13451.00	89.38	269.27	236.52	6982.36	1162.72	-7093.30	0.65	7090.03	93.00
	Nov-07-2020 19:28:47	13543.00	89.94	270.01	236.52	6982.90	1162.14	-7185.30	1.01	7182.02	92.00
	Nov-07-2020 19:49:00	13637.00	89.97	269.60	239.22	6982.97	1161.83	-7279.30	0.44	7276.02	94.00
	Nov-07-2020 20:23:17	13730.00	90.37	269.77	239.22	6982.70	1161.31	-7372.30	0.47	7369.02	93.00
	Nov-07-2020 20:39:51	13824.00	90.99	269.68	239.22	6981.58	1160.86	-7466.29	0.67	7463.02	94.00
	Nov-07-2020 20:59:05	13917.00	90.40	269.90	239.22	6980.46	1160.52	-7559.28	0.68	7556.01	93.00
	Nov-07-2020 21:17:22	14010.00	90.40	270.03	239.22	6979.81	1160.47	-7652.28	0.14	7649.01	93.00
	Nov-07-2020 21:36:00	14104.00	90.15	269.89	241.92	6979.35	1160.40	-7746.28	0.30	7743.00	94.00
	Nov-07-2020 21:53:47	14198.00	90.34	270.31	241.92	6978.95	1160.56	-7840.27	0.49	7837.00	94.00
	Nov-07-2020 22:33:42	14292.00	90.12	269.78	236.52	6978.58	1160.64	-7934.27	0.61	7931.00	94.00
	Nov-07-2020 22:53:31	14386.00	90.74	270.36	241.92	6977.87	1160.75	-8028.27	0.90	8025.00	94.00
	Nov-07-2020 23:09:49	14479.00	90.43	267.89	241.92	6976.92	1159.33	-8121.25	2.68	8117.98	93.00
	Nov-07-2020 23:35:59	14572.00	89.94	269.66	241.92	6976.62	1157.34	-8214.22	1.97	8210.96	93.00
	Nov-08-2020 00:04:22	14665.00	90.09	269.75	241.92	6976.60	1156.87	-8307.22	0.19	8303.96	93.00
	Nov-08-2020 00:25:45	14758.00	89.75	269.64	241.92	6976.73	1156.37	-8400.22	0.38	8396.96	93.00
	Nov-08-2020 00:46:26	14851.00	90.03	269.65	244.62	6976.90	1155.79	-8493.22	0.30	8489.96	93.00
	Nov-08-2020 01:23:18	14946.00	90.18	270.19	241.92	6976.73	1155.66	-8588.22	0.59	8584.95	95.00
	Nov-08-2020 01:54:39	15040.00	89.88	269.65	241.92	6976.68	1155.53	-8682.21	0.66	8678.95	94.00
	Nov-08-2020 02:23:45	15133.00	90.22	270.51	239.22	6976.60	1155.66	-8775.21	0.99	8771.95	93.00
	Nov-08-2020 08:11:01	15225.00	89.78	269.94	214.89	6976.60	1156.02	-8867.21	0.78	8863.95	92.00
	Nov-08-2020 08:45:08	15318.00	89.97	269.76	225.70	6976.80	1155.78	-8960.21	0.28	8956.95	93.00
	Nov-08-2020 09:05:15	15412.00	90.22	269.35	228.41	6976.65	1155.05	-9054.21	0.51	9050.95	94.00
	Nov-08-2020 09:25:37	15505.00	89.94	269.77	231.11	6976.52	1154.33	-9147.21	0.54	9143.95	93.00
	Nov-08-2020 09:46:52	15598.00	89.85	269.47	233.81	6976.69	1153.72	-9240.20	0.34	9236.95	93.00
	Nov-08-2020 10:07:27	15691.00	89.94	269.00	236.52	6976.86	1152.47	-9333.19	0.51	9329.94	93.00
	Nov-08-2020 10:30:06	15783.00	89.85	269.97	239.22	6977.03	1151.65	-9425.19	1.06	9421.94	92.00
	Nov-08-2020 10:53:18	15877.00	90.31	269.76	241.92	6976.90	1151.43	-9519.19	0.54	9515.94	94.00
	Nov-08-2020 11:16:33	15972.00	90.43	269.65	239.22	6976.28	1150.94	-9614.19	0.17	9610.93	95.00
	Nov-08-2020 11:39:36	16066.00	90.62	269.84	241.92	6975.42	1150.52	-9708.18	0.29	9704.93	94.00
	Nov-08-2020 12:04:31	16160.00	90.28	269.82	241.92	6974.68	1150.24	-9802.18	0.36	9798.93	94.00
	Nov-08-2020 13:31:25	16348.00	90.34	270.30	239.22	6973.66	1150.44	-9990.17	0.26	9986.92	188.00
	Nov-08-2020	16442.00	90.34	270.32	236.52	6973.11	1150.95	-10084.17	0.02	10080.92	94.00

	14:25:02										
	Nov-08-2020 15:00:59	16537.00	90.09	269.91	239.22	6972.75	1151.14	-10179.17	0.51	10175.92	95.00
	Nov-08-2020 15:25:23	16631.00	90.18	269.87	241.92	6972.53	1150.96	-10273.17	0.10	10269.91	94.00
	Nov-08-2020 15:53:50	16724.00	90.59	269.96	244.62	6971.90	1150.82	-10366.17	0.45	10362.91	93.00
	Nov-08-2020 16:43:53	16911.00	90.62	270.25	244.62	6969.93	1151.16	-10553.16	0.16	10549.90	187.00
	Nov-08-2020 18:36:55	17004.00	90.52	269.69	233.81	6969.00	1151.11	-10646.15	0.61	10642.89	93.00
	Nov-08-2020 19:06:57	17097.00	90.34	270.21	241.92	6968.31	1151.03	-10739.15	0.59	10735.89	93.00
	Nov-08-2020 19:44:35	17192.00	90.62	270.14	244.62	6967.51	1151.32	-10834.14	0.30	10830.89	95.00
	Nov-08-2020 20:10:41	17286.00	90.49	270.45	244.62	6966.60	1151.80	-10928.14	0.36	10924.88	94.00
	Nov-08-2020 20:48:01	17380.00	90.71	270.34	244.62	6965.62	1152.45	-11022.13	0.26	11018.87	94.00
	Nov-08-2020 21:21:34	17473.00	90.89	270.41	244.62	6964.32	1153.06	-11115.12	0.21	11111.86	93.00
	Nov-08-2020 21:50:20	17567.00	90.49	268.52	244.62	6963.19	1152.18	-11209.10	2.06	11205.84	94.00
	Nov-08-2020 22:14:04	17660.00	90.31	266.53	247.33	6962.54	1148.17	-11302.01	2.15	11298.76	93.00
	Nov-08-2020 22:50:07	17752.00	91.66	267.43	274.36	6960.95	1143.32	-11393.87	1.76	11390.63	92.00
	Nov-08-2020 23:19:16	17845.00	90.99	268.70	247.33	6958.80	1140.18	-11486.79	1.54	11483.56	93.00
	Nov-08-2020 23:46:01	17938.00	90.37	269.55	247.33	6957.70	1138.76	-11579.77	1.13	11576.54	93.00
	Nov-09-2020 00:11:50	18032.00	91.02	269.91	250.03	6956.56	1138.32	-11673.76	0.79	11670.53	94.00
	Nov-09-2020 00:44:44	18126.00	90.40	269.59	244.62	6955.40	1137.91	-11767.75	0.74	11764.53	94.00
	Nov-09-2020 01:10:10	18219.00	90.71	269.74	247.33	6954.49	1137.37	-11860.74	0.37	11857.52	93.00
	Nov-09-2020 01:36:30	18311.00	90.46	270.09	250.03	6953.55	1137.23	-11952.74	0.47	11949.52	92.00
	Nov-09-2020 02:15:56	18405.00	91.69	269.90	250.03	6951.79	1137.22	-12046.72	1.32	12043.50	94.00
	Nov-09-2020 02:43:48	18499.00	90.43	269.10	250.03	6950.05	1136.40	-12140.70	1.59	12137.48	94.00
	Nov-09-2020 03:10:19	18592.00	90.74	269.24	250.03	6949.10	1135.05	-12233.68	0.37	12230.47	93.00
	Nov-09-2020 03:37:41	18684.00	90.89	269.83	250.03	6947.79	1134.31	-12325.67	0.66	12322.45	92.00
	Nov-09-2020 04:06:07	18779.00	91.45	270.40	250.03	6945.85	1134.50	-12420.65	0.84	12417.43	95.00
	Nov-09-2020 04:36:40	18872.00	91.20	269.89	250.03	6943.70	1134.73	-12513.62	0.61	12510.41	93.00
	Nov-09-2020 05:00:40	18964.00	90.00	268.93	250.03	6942.74	1133.79	-12605.61	1.67	12602.40	92.00
	Nov-09-2020 05:29:09	19058.00	91.45	269.21	252.73	6941.55	1132.26	-12699.59	1.57	12696.38	94.00
	Nov-09-2020 06:00:40	19150.00	90.31	270.09	252.73	6940.14	1131.70	-12791.57	1.57	12788.36	92.00
	Nov-09-2020 06:31:04	19242.00	89.82	264.72	250.03	6940.03	1127.53	-12883.45	5.86	12880.25	92.00
	Nov-09-2020 07:29:16	19336.00	90.74	261.75	250.03	6939.57	1116.46	-12976.78	3.31	12973.61	94.00
	Nov-09-2020 08:21:25	19429.00	91.78	267.13	250.03	6937.53	1107.46	-13069.28	5.89	13066.14	93.00
	Nov-09-2020 09:20:23	19523.00	90.65	265.55	250.03	6935.53	1101.46	-13163.07	2.07	13159.94	94.00
	Nov-09-2020 11:15:22	19615.00	90.03	267.76	244.62	6934.99	1096.09	-13254.90	2.49	13251.79	92.00
	Nov-09-2020 11:53:52	19708.00	89.05	272.27	250.03	6935.74	1096.11	-13347.87	4.96	13344.76	93.00
	Nov-09-2020 12:25:00	19802.00	89.23	272.65	250.03	6937.15	1100.15	-13441.78	0.45	13438.65	94.00
	Nov-09-2020 12:54:57	19896.00	90.49	272.84	250.03	6937.38	1104.65	-13535.67	1.36	13532.53	94.00
	Nov-09-2020	19988.00	90.15	272.83	250.03	6936.86	1109.20	-13627.55	0.37	13624.40	92.00

	13:23:23										
	Nov-09-2020 13:50:33	20081.00	89.60	272.69	252.73	6937.07	1113.68	-13720.44	0.61	13717.28	93.00
	Nov-09-2020 14:19:05	20175.00	89.72	272.69	250.03	6937.62	1118.09	-13814.34	0.13	13811.16	94.00
	Nov-09-2020 14:47:25	20268.00	89.20	272.51	252.73	6938.50	1122.31	-13907.24	0.59	13904.05	93.00
	Nov-09-2020 15:20:38	20362.00	89.17	272.17	252.73	6939.84	1126.15	-14001.15	0.36	13997.95	94.00
	Nov-09-2020 15:45:42	20396.00	89.66	273.24	250.03	6940.18	1127.75	-14035.11	3.46	14031.91	34.00
Proj	Nov-09-2020 15:51:46	20420.00	89.66	273.24		6940.33	1129.11	-14059.07	0.00	14055.86	