

400 North Fourth Street  
Bismarck, ND 58501  
701-222-7900

June 12, 2020

Executive Secretary  
North Dakota Public Service Commission  
State Capitol Building  
Bismarck, ND 58505-0480

Re: Case No. PU-20-002 (Therm Billing)  
Monthly Report – April 2020

Montana-Dakota Utilities Co., herewith electronically submits the following information, pursuant to the Ordering paragraphs one and two of the Order issued in Case No. 11,006, dated October 20, 1987 and pursuant to the North Dakota Administrative Code 69-09-01-02, part 2.

1. Attachment A is a schedule showing the thermal billing factors by community that reflect the BTU values shown on Attachment B and were used for billing purposes in May 2020.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of April 2020.
3. Attachment C is a listing which states the type of measuring device in place at each zone.
4. Attachment D is a monthly list of the heating value data, by zone, for the most recent 12-month period and an average thereof. It is being provided pursuant to a Staff request.
5. Attachment E provides a brief explanation of the thermal variances, where applicable, for the month of April 2020.

Montana-Dakota respectfully request this electronic filing, in lieu of an original and one copy, be accepted as being in full compliance with the filing requirements of this Commission.

Sincerely,

*/s/ Travis R. Jacobson*

Travis R. Jacobson  
Director of Regulatory Affairs

**Montana-Dakota Utilities Co.**  
**Therm Billing Factors - North Dakota**  
**May-20**

| <u>Town</u>          | <u>Heat Zone</u> | <u>Therm Factor</u> |
|----------------------|------------------|---------------------|
| MDU-303-ALEXANDER    | 025              | 1.1353              |
| MDU-308-ARNEGARD     | 025              | 1.1353              |
| MDU-314-APPLE VALLEY | 271              | 1.1279              |
| MDU-318-BEACH        | 032              | 1.0193              |
| MDU-319-BELFIELD     | 032              | 1.0268              |
| MDU-323-BERTHOLD     | 262              | 1.1145              |
| MDU-324-BEULAH       | 032              | 1.0268              |
| MDU-327-BISMARCK     | 028              | 1.0980              |
| MDU-330-BOWMAN       | 034              | 0.9394              |
| MDU-337-BURLINGTON   | 262              | 1.1385              |
| MDU-343-CARRINGTON   | 273              | 1.1279              |
| MDU-344-CLEVELAND    | 272              | 1.1200              |
| MDU-364-CAVALIER     | 273              | 1.1517              |
| MDU-365-DAWSON       | 271              | 1.1200              |
| MDU-368-DES LACS     | 262              | 1.1225              |
| MDU-369-DICKINSON    | 031              | 1.0671              |
| MDU-374-FT TOTTEN    | 273              | 1.1359              |
| MDU-375-DEVILS LAKE  | 273              | 1.1359              |
| MDU-379-BARLOW       | 273              | 1.1279              |
| MDU-384-EPPING       | 264              | 1.0928              |
| MDU-387-ELDRIDGE     | 272              | 1.1279              |
| MDU-407-GLADSTONE    | 031              | 1.0671              |
| MDU-411-GLEN ULLIN   | 031              | 1.0748              |
| MDU-413-GOLVA        | 032              | 1.0043              |
| MDU-416-GARRISON     | 262              | 1.1225              |
| MDU-417-GRAFTON      | 273              | 1.1597              |
| MDU-403-GWINNER      | 601              | 1.1468              |
| MDU-429-HEBRON       | 031              | 1.0748              |
| MDU-432-HETTINGER    | 903              | 2.4049              |
| MDU-449-JAMESTOWN    | 272              | 1.1359              |
| MDU-459-KILLDEER     | 033              | 1.1079              |
| MDU-463-LANGDON      | 273              | 1.1279              |
| MDU-469-LEFOR        | 031              | 1.0671              |
| MDU-474-LIGNITE      | 263              | 1.1035              |
| MDU-475-LINTON       | 802              | 1.0633              |
| MDU-478-LINCOLN      | 028              | 1.0980              |
| MDU-488-MCKENZIE     | 271              | 1.1279              |
| MDU-494-MEDINA       | 271              | 1.1200              |
| MDU-498-MANDAN       | 028              | 1.0980              |
| MDU-500-MARMARTH     | 034              | 0.9463              |
| MDU-505-MINOT        | 262              | 1.1385              |
| MDU-510-MOTT         | 031              | 1.0671              |
| MDU-512-MAX          | 262              | 1.1145              |
| MDU-513-MILNOR       | 601              | 1.1468              |
| MDU-522-NEW ENGLAND  | 031              | 1.0594              |
| MDU-524-NEW SALEM    | 028              | 1.0748              |
| MDU-532-NEW ROCKFORD | 273              | 1.1279              |
| MDU-539-PARK RIVER   | 273              | 1.1517              |
| MDU-540-PALERMO      | 262              | 1.1145              |

|                        |     |        |
|------------------------|-----|--------|
| MDU-558-RAY            | 264 | 1.0928 |
| MDU-561-REGENT         | 031 | 1.0671 |
| MDU-563-RHAME          | 034 | 0.9324 |
| MDU-564-RICHARDTON     | 031 | 1.0594 |
| MDU-568-ROSS           | 261 | 1.1009 |
| MDU-572-RUTHVILLE      | 262 | 1.1385 |
| MDU-574-SANBORN        | 272 | 1.1359 |
| MDU-583-SENTINEL BUTTE | 032 | 1.0193 |
| MDU-588-SOUTH HEART    | 031 | 1.0594 |
| MDU-717-SPIRITWOOD     | 272 | 1.1359 |
| MDU-590-SPRINGBROOK    | 264 | 1.0928 |
| MDU-591-STANLEY        | 261 | 1.1088 |
| MDU-593-STEELE         | 271 | 1.1200 |
| MDU-594-STERLING       | 028 | 1.0980 |
| MDU-598-SHEYENNE       | 273 | 1.1359 |
| MDU-605-SURREY         | 262 | 1.1385 |
| MDU-610-TAPPEN         | 271 | 1.1200 |
| MDU-611-TAYLOR         | 031 | 1.0594 |
| MDU-616-TIOGA          | 260 | 1.0615 |
| MDU-619-TURTLE LAKE    | 262 | 1.1225 |
| MDU-620-TRENTON        | 024 | 1.1121 |
| MDU-624-UNDERWOOD      | 262 | 1.1225 |
| MDU-625-VALLEY CITY    | 272 | 1.1438 |
| MDU-629-WALHALLA       | 273 | 1.1517 |
| MDU-632-WATFORD CITY   | 610 | 1.1041 |
| MDU-636-WHEELOCK       | 264 | 1.0849 |
| MDU-637-WHITE EARTH    | 261 | 1.1088 |
| MDU-642-WILLISTON      | 024 | 1.1121 |
| MDU-646-WASHBURN       | 262 | 1.1305 |
| MDU-647-WILTON         | 262 | 1.1145 |
| MDU-664-RIVERDALE      | 262 | 1.1225 |
| MDU-691-FAIRVIEW       | 241 | 1.1368 |
| MDU-712-MINOT AFB      | 262 | 1.1385 |
| MDU-718-FAIRMOUNT      | 600 | 1.1444 |
| MDU-732-NEKOMA         | 273 | 1.1279 |
| MDU-732-MSR SITE       | 273 | 1.1279 |

# Source Daily Summary

April 2020

Number: 251

Pressure Base: 14.730

Contract Day: 1

Name: SDNY BDR-MNDK JNCTN-SDNY PLT

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.7389           | 1189.8            | 1210.9            | 1207.5               | 1.339 | 3.515 | 67.422 | 23.851 | 3.478 | 0.135 | 0.240 | 0.011 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1405.30 |
| 2   | 0.7344           | 1182.7            | 1203.7            | 1200.3               | 1.323 | 3.551 | 68.226 | 23.123 | 3.370 | 0.138 | 0.247 | 0.012 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1401.14 |
| 3   | 0.7404           | 1189.4            | 1210.5            | 1207.1               | 1.380 | 3.617 | 67.071 | 24.175 | 3.312 | 0.151 | 0.271 | 0.013 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1403.45 |
| 4   | 0.7423           | 1192.3            | 1213.4            | 1210.0               | 1.384 | 3.615 | 66.804 | 24.344 | 3.390 | 0.157 | 0.281 | 0.014 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1405.03 |
| 5   | 0.7418           | 1191.6            | 1212.7            | 1209.2               | 1.385 | 3.617 | 66.971 | 24.109 | 3.443 | 0.160 | 0.289 | 0.014 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1404.55 |
| 6   | 0.7421           | 1191.8            | 1212.9            | 1209.4               | 1.380 | 3.635 | 66.950 | 24.088 | 3.471 | 0.161 | 0.290 | 0.015 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1404.56 |
| 7   | 0.7435           | 1194.2            | 1215.4            | 1211.9               | 1.381 | 3.619 | 66.770 | 24.166 | 3.592 | 0.159 | 0.287 | 0.015 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1406.08 |
| 8   | 0.7412           | 1191.6            | 1212.7            | 1209.3               | 1.359 | 3.597 | 67.026 | 24.141 | 3.413 | 0.156 | 0.282 | 0.014 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1405.18 |
| 9   | 0.7437           | 1195.4            | 1216.5            | 1213.1               | 1.370 | 3.590 | 66.506 | 24.669 | 3.401 | 0.157 | 0.282 | 0.014 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1407.20 |
| 10  | 0.7340           | 1184.1            | 1205.1            | 1201.6               | 1.285 | 3.484 | 68.073 | 23.647 | 3.069 | 0.143 | 0.269 | 0.016 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1403.19 |
| 11  | 0.7275           | 1174.9            | 1195.7            | 1192.4               | 1.257 | 3.482 | 69.003 | 23.013 | 2.880 | 0.121 | 0.221 | 0.012 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1398.51 |
| 12  | 0.7306           | 1178.8            | 1199.7            | 1196.3               | 1.276 | 3.503 | 68.633 | 23.139 | 3.052 | 0.132 | 0.241 | 0.013 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.19 |
| 13  | 0.7429           | 1191.1            | 1212.2            | 1212.9               | 1.295 | 3.623 | 67.095 | 23.811 | 3.578 | 0.182 | 0.365 | 0.027 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1407.80 |
| 14  | 0.7450           | 1197.2            | 1218.4            | 1214.9               | 1.370 | 3.592 | 66.420 | 24.531 | 3.679 | 0.139 | 0.248 | 0.012 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1408.21 |
| 15  | 0.7435           | 1194.6            | 1215.7            | 1212.2               | 1.374 | 3.605 | 66.671 | 24.322 | 3.611 | 0.142 | 0.252 | 0.012 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1406.53 |
| 16  | 0.7440           | 1195.5            | 1216.7            | 1213.2               | 1.374 | 3.601 | 66.517 | 24.543 | 3.536 | 0.146 | 0.262 | 0.013 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1407.12 |
| 17  | 0.7433           | 1193.7            | 1214.8            | 1211.2               | 1.376 | 3.640 | 66.752 | 24.210 | 3.568 | 0.152 | 0.276 | 0.014 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1405.62 |
| 18  | 0.7466           | 1199.0            | 1220.2            | 1216.6               | 1.364 | 3.644 | 66.258 | 24.546 | 3.703 | 0.164 | 0.294 | 0.015 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1408.74 |
| 19  | 0.7541           | 1210.8            | 1232.2            | 1228.5               | 1.349 | 3.651 | 65.187 | 25.201 | 4.086 | 0.179 | 0.320 | 0.015 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1415.48 |
| 20  | 0.7464           | 1208.2            | 1229.6            | 1225.9               | 1.064 | 3.521 | 66.036 | 25.108 | 3.848 | 0.145 | 0.256 | 0.013 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1419.92 |
| 21  | 0.7419           | 1210.8            | 1232.2            | 1228.3               | 0.840 | 3.288 | 66.380 | 25.589 | 3.503 | 0.131 | 0.248 | 0.011 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1427.15 |
| 22  | 0.7265           | 1185.6            | 1206.6            | 1202.9               | 0.682 | 3.611 | 69.422 | 22.255 | 3.645 | 0.131 | 0.231 | 0.012 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.22 |
| 23  | 0.7326           | 1189.7            | 1210.8            | 1207.0               | 0.894 | 3.604 | 69.010 | 22.010 | 3.962 | 0.177 | 0.310 | 0.018 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.09 |
| 24  | 0.6994           | 1154.0            | 1174.5            | 1171.0               | 0.805 | 2.795 | 73.987 | 19.595 | 2.482 | 0.097 | 0.204 | 0.016 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.88 |
| 25  | 0.6921           | 1143.8            | 1164.0            | 1160.4               | 0.822 | 2.718 | 75.190 | 18.750 | 2.201 | 0.088 | 0.194 | 0.017 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.65 |
| 26  | 0.6929           | 1146.1            | 1166.4            | 1162.8               | 0.865 | 2.579 | 75.019 | 19.101 | 2.113 | 0.089 | 0.195 | 0.017 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.75 |
| 27  | 0.6903           | 1141.3            | 1161.5            | 1158.0               | 0.850 | 2.653 | 75.522 | 18.519 | 2.137 | 0.089 | 0.194 | 0.017 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.54 |
| 28  | 0.6911           | 1142.8            | 1163.0            | 1159.5               | 0.744 | 2.799 | 75.208 | 18.776 | 2.192 | 0.079 | 0.171 | 0.014 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.56 |
| 29  | 0.6907           | 1140.5            | 1160.7            | 1157.1               | 0.822 | 2.783 | 75.486 | 18.360 | 2.232 | 0.088 | 0.193 | 0.017 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.11 |
| 30  | 0.6909           | 1140.1            | 1160.3            | 1156.4               | 0.831 | 2.811 | 75.555 | 18.189 | 2.278 | 0.092 | 0.205 | 0.018 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.38 |
| Avg | 0.7292           | 1181.0            | 1202.3            | 1198.9               | 1.161 | 3.378 | 69.039 | 22.796 | 3.208 | 0.136 | 0.254 | 0.015 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1404.80 |

Zone 211

# Source Daily Summary

April 2020

|                |                          |                          |        |                       |   |
|----------------|--------------------------|--------------------------|--------|-----------------------|---|
| <b>Number:</b> | 571                      | <b>Pressure Base:</b>    | 14.730 | <b>Contract Day:</b>  | 1 |
| <b>Name:</b>   | WILLISTON BDR-CHARBN STN | <b>Temperature Base:</b> |        | <b>Contract Hour:</b> | 9 |

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.6896           | 1138.4            | 1158.5            | 1155.4               | 0.828 | 2.793 | 75.248 | 19.001 | 1.850 | 0.079 | 0.170 | 0.013 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.85 |
| 2   | 0.6838           | 1129.1            | 1149.1            | 1146.0               | 0.805 | 2.849 | 76.337 | 17.936 | 1.791 | 0.079 | 0.173 | 0.014 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.34 |
| 3   | 0.6806           | 1123.9            | 1143.8            | 1140.6               | 0.804 | 2.864 | 77.052 | 17.170 | 1.821 | 0.080 | 0.175 | 0.015 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1383.18 |
| 4   | 0.6836           | 1129.0            | 1149.0            | 1145.8               | 0.808 | 2.837 | 76.422 | 17.813 | 1.851 | 0.075 | 0.163 | 0.014 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.31 |
| 5   | 0.6872           | 1134.9            | 1155.0            | 1151.8               | 0.804 | 2.814 | 75.804 | 18.363 | 1.934 | 0.078 | 0.169 | 0.015 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.02 |
| 6   | 0.6851           | 1132.1            | 1152.1            | 1148.9               | 0.789 | 2.809 | 76.159 | 18.088 | 1.877 | 0.077 | 0.169 | 0.014 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.71 |
| 7   | 0.6854           | 1132.8            | 1152.9            | 1149.7               | 0.796 | 2.789 | 76.197 | 17.972 | 1.954 | 0.081 | 0.177 | 0.015 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.24 |
| 8   | 0.6830           | 1128.8            | 1148.8            | 1145.7               | 0.793 | 2.807 | 76.647 | 17.541 | 1.927 | 0.080 | 0.173 | 0.014 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.81 |
| 9   | 0.6841           | 1130.8            | 1150.8            | 1147.6               | 0.786 | 2.803 | 76.519 | 17.598 | 1.990 | 0.085 | 0.186 | 0.015 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.08 |
| 10  | 0.6817           | 1126.8            | 1146.7            | 1143.6               | 0.769 | 2.849 | 77.079 | 16.924 | 2.058 | 0.090 | 0.197 | 0.016 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.57 |
| 11  | 0.6825           | 1127.4            | 1147.3            | 1144.2               | 0.781 | 2.866 | 76.990 | 16.926 | 2.119 | 0.089 | 0.194 | 0.016 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.50 |
| 12  | 0.6823           | 1127.4            | 1147.4            | 1144.3               | 0.790 | 2.829 | 77.012 | 16.972 | 2.072 | 0.091 | 0.199 | 0.016 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.79 |
| 13  | 0.6818           | 1126.4            | 1146.3            | 1143.2               | 0.787 | 2.855 | 77.162 | 16.752 | 2.103 | 0.094 | 0.210 | 0.017 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.96 |
| 14  | 0.6873           | 1135.3            | 1155.4            | 1152.2               | 0.819 | 2.778 | 76.148 | 17.760 | 2.157 | 0.092 | 0.206 | 0.018 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.31 |
| 15  | 0.6937           | 1145.1            | 1165.4            | 1162.1               | 0.870 | 2.709 | 75.118 | 18.614 | 2.327 | 0.098 | 0.221 | 0.019 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.77 |
| 16  | 0.6940           | 1145.3            | 1165.6            | 1162.3               | 0.878 | 2.709 | 75.176 | 18.457 | 2.406 | 0.102 | 0.229 | 0.020 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.74 |
| 17  | 0.6928           | 1143.3            | 1163.6            | 1160.2               | 0.880 | 2.711 | 75.283 | 18.468 | 2.307 | 0.095 | 0.212 | 0.019 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.56 |
| 18  | 0.6928           | 1143.2            | 1163.4            | 1160.1               | 0.880 | 2.717 | 75.299 | 18.447 | 2.290 | 0.099 | 0.223 | 0.020 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.44 |
| 19  | 0.6922           | 1142.4            | 1162.6            | 1159.3               | 0.877 | 2.713 | 75.473 | 18.222 | 2.345 | 0.101 | 0.226 | 0.019 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.10 |
| 20  | 0.6921           | 1142.0            | 1162.3            | 1158.7               | 0.882 | 2.719 | 75.475 | 18.237 | 2.329 | 0.096 | 0.216 | 0.020 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.69 |
| 21  | 0.6923           | 1142.4            | 1162.7            | 1159.1               | 0.878 | 2.722 | 75.334 | 18.446 | 2.282 | 0.091 | 0.204 | 0.018 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.95 |
| 22  | 0.6891           | 1138.5            | 1158.6            | 1155.0               | 0.856 | 2.703 | 75.837 | 18.083 | 2.195 | 0.090 | 0.198 | 0.017 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.30 |
| 23  | 0.6896           | 1140.1            | 1160.3            | 1155.8               | 0.859 | 2.645 | 75.783 | 18.162 | 2.216 | 0.093 | 0.204 | 0.017 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.81 |
| 24  | 0.6869           | 1137.0            | 1157.1            | 1153.8               | 0.861 | 2.578 | 76.250 | 17.863 | 2.117 | 0.091 | 0.200 | 0.018 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.67 |
| 25  | 0.6875           | 1138.2            | 1158.4            | 1155.0               | 0.868 | 2.546 | 76.063 | 18.153 | 2.049 | 0.088 | 0.193 | 0.018 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.61 |
| 26  | 0.6865           | 1137.5            | 1157.7            | 1154.2               | 0.875 | 2.486 | 76.171 | 18.212 | 1.931 | 0.090 | 0.195 | 0.017 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.74 |
| 27  | 0.6852           | 1134.5            | 1154.6            | 1151.3               | 0.855 | 2.577 | 76.470 | 17.753 | 2.032 | 0.087 | 0.190 | 0.016 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.41 |
| 28  | 0.6857           | 1134.0            | 1154.0            | 1150.7               | 0.823 | 2.706 | 76.358 | 17.710 | 2.099 | 0.085 | 0.184 | 0.016 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.27 |
| 29  | 0.6873           | 1136.0            | 1156.1            | 1152.7               | 0.820 | 2.732 | 76.119 | 17.860 | 2.153 | 0.088 | 0.191 | 0.017 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.17 |
| 30  | 0.6889           | 1136.9            | 1157.0            | 1153.5               | 0.805 | 2.854 | 75.926 | 17.794 | 2.289 | 0.092 | 0.201 | 0.017 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.55 |
| Avg | 0.6872           | 1135.0            | 1155.4            | 1152.1               | 0.831 | 2.746 | 76.097 | 17.910 | 2.096 | 0.089 | 0.195 | 0.017 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.48 |

Zone 24

# Gas Composition and Properties

Effective April 1, 2020

Source #: 0602160  
Name: FAIRVIEW BORDER

| Component             | Mole %          | Liquid Content | Mass %          |
|-----------------------|-----------------|----------------|-----------------|
| Carbon Dioxide, CO2   | 1.0052          |                | 2.1569          |
| Nitrogen, N2          | 3.0311          |                | 4.1400          |
| Methane, C1           | 72.2755         |                | 56.5324         |
| Ethane, C2            | 20.5348         | 5.4954         | 30.1054         |
| Propane, C3           | 2.7751          | 0.7650         | 5.9664          |
| iso-Butane, iC4       | 0.1121          | 0.0367         | 0.3177          |
| n-Butane, nC4         | 0.2314          | 0.0730         | 0.6558          |
| iso-Pentane, iC5      | 0.0149          | 0.0055         | 0.0524          |
| n-Pentane, nC5        | 0.0155          | 0.0056         | 0.0545          |
| Neo-Pentane, NeoC5    |                 |                |                 |
| Hexanes Plus, C6+     | 0.0044          | 0.0018         | 0.0185          |
| Water, H2O            |                 |                |                 |
| Hydrogen Sulfide, H2S |                 |                |                 |
| Oxygen, O2            |                 |                |                 |
| Carbon Monoxide, CO   |                 |                |                 |
| Hydrogen, H2          |                 |                |                 |
| Helium, He            |                 |                |                 |
| Argon, Ar             |                 |                |                 |
| <b>Totals</b>         | <b>100.0000</b> | <b>6.3830</b>  | <b>100.0000</b> |

| Property               | Total Sample | C6 Plus Fraction |
|------------------------|--------------|------------------|
| Pressure Base          | 14.730       |                  |
| Temperature Base       | 60.00        |                  |
| HCDP @ Sample Pressure | -29.490      |                  |
| Cricondentherm         | -4.620       |                  |
| HV, Dry @ Base P, T    | 1182.35      |                  |
| HV, Sat @ Base P, T    | 1161.77      |                  |
| HV, Sat @ Sample P, T  | 1182.35      |                  |
| Relative Density       | 0.7102       |                  |

C6+: 100

## Sample

Date: 04/01/2020      Pressure: 290.0  
 Type:                      Temperature:  
 Tech: Kevin Moos      H2O: lbs/mm  
                                  H2S: ppm

Remarks:

## Analysis

Date: 04/01/2020      Instrument:  
                                  Cylinder: 310  
 Tech: Kevin Moos

Remarks:

# Gas Composition and Properties

Effective April 1, 2020

Source #: 0602225  
Name: WATFORD CITY WEST BORDER

| Component             | Mole %          | Liquid Content | Mass %          |
|-----------------------|-----------------|----------------|-----------------|
| Carbon Dioxide, CO2   | 1.2046          |                | 2.5273          |
| Nitrogen, N2          | 3.9092          |                | 5.2207          |
| Methane, C1           | 70.6006         |                | 53.9946         |
| Ethane, C2            | 19.9440         | 5.3378         | 28.5892         |
| Propane, C3           | 3.6205          | 0.9982         | 7.6109          |
| iso-Butane, iC4       | 0.1977          | 0.0647         | 0.5478          |
| n-Butane, nC4         | 0.4414          | 0.1393         | 1.2231          |
| iso-Pentane, iC5      | 0.0379          | 0.0139         | 0.1304          |
| n-Pentane, nC5        | 0.0377          | 0.0137         | 0.1297          |
| Neo-Pentane, NeoC5    |                 |                |                 |
| Hexanes Plus, C6+     | 0.0064          | 0.0026         | 0.0263          |
| Water, H2O            |                 |                |                 |
| Hydrogen Sulfide, H2S |                 |                |                 |
| Oxygen, O2            |                 |                |                 |
| Carbon Monoxide, CO   |                 |                |                 |
| Hydrogen, H2          |                 |                |                 |
| Helium, He            |                 |                |                 |
| Argon, Ar             |                 |                |                 |
| <b>Totals</b>         | <b>100.0000</b> | <b>6.5710</b>  | <b>100.0000</b> |

| Property               | Total Sample | C6 Plus Fraction |
|------------------------|--------------|------------------|
| Pressure Base          | 14.730       |                  |
| Temperature Base       | 60.00        |                  |
| HCDP @ Sample Pressure | -2.838       |                  |
| Cricodentherm          | 7.873        |                  |
| HV, Dry @ Base P, T    | 1187.92      |                  |
| HV, Sat @ Base P, T    | 1167.25      |                  |
| HV, Sat @ Sample P, T  | 1187.92      |                  |
| Relative Density       | 0.7264       |                  |
| C6+: 100               |              |                  |

**Sample**

Date: 04/01/2020      Pressure: 458.0  
 Type:                      Temperature:  
 Tech: Kevin Moos      H2O: lbs/mm  
                                  H2S: ppm

Remarks:

**Analysis**

Date: 04/01/2020      Instrument:  
                                  Cylinder: 327  
 Tech: Kevin Moos

Remarks:

# Source Daily Summary

April 2020

|                |                             |                          |        |                       |   |
|----------------|-----------------------------|--------------------------|--------|-----------------------|---|
| <b>Number:</b> | 164                         | <b>Pressure Base:</b>    | 14.730 | <b>Contract Day:</b>  | 1 |
| <b>Name:</b>   | N TIOGA TRANSFER-NESSON PLT | <b>Temperature Base:</b> |        | <b>Contract Hour:</b> | 9 |

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7 | C8 | C9 | C10 | Wobbe | CCT     |  |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|----|----|----|-----|-------|---------|--|
| 1   | 0.6640           | 1091.9            | 1111.3            |                      | 0.452 | 3.799 | 78.948 | 15.485 | 1.173 | 0.039 | 0.087 | 0.007 | 0.008 | 0.001 |    |    |    |     |       | 1360.60 |  |
| 2   | 0.6562           | 1078.6            | 1097.7            |                      | 0.464 | 3.861 | 80.612 | 13.691 | 1.218 | 0.042 | 0.095 | 0.008 | 0.009 | 0.000 |    |    |    |     |       | 1351.90 |  |
| 3   | 0.6474           | 1064.4            | 1083.3            |                      | 0.426 | 3.950 | 82.401 | 11.821 | 1.248 | 0.040 | 0.093 | 0.008 | 0.010 | 0.002 |    |    |    |     |       | 1343.23 |  |
| 4   | 0.6593           | 1084.9            | 1104.1            |                      | 0.433 | 3.812 | 80.171 | 13.972 | 1.485 | 0.035 | 0.078 | 0.006 | 0.007 | 0.000 |    |    |    |     |       | 1356.63 |  |
| 5   | 0.6663           | 1096.9            | 1116.3            |                      | 0.431 | 3.745 | 78.930 | 15.121 | 1.624 | 0.039 | 0.090 | 0.008 | 0.010 | 0.002 |    |    |    |     |       | 1364.37 |  |
| 6   | 0.6640           | 1093.8            | 1113.1            |                      | 0.415 | 3.739 | 79.263 | 14.915 | 1.542 | 0.035 | 0.078 | 0.006 | 0.008 | 0.000 |    |    |    |     |       | 1362.90 |  |
| 7   | 0.6576           | 1083.3            | 1102.5            |                      | 0.403 | 3.791 | 80.404 | 13.856 | 1.443 | 0.029 | 0.062 | 0.005 | 0.006 | 0.001 |    |    |    |     |       | 1356.47 |  |
| 8   | 0.6495           | 1070.4            | 1089.3            |                      | 0.360 | 3.881 | 81.837 | 12.527 | 1.310 | 0.025 | 0.052 | 0.004 | 0.004 | 0.000 |    |    |    |     |       | 1348.61 |  |
| 9   | 0.6489           | 1069.9            | 1088.8            |                      | 0.339 | 3.890 | 81.944 | 12.438 | 1.291 | 0.027 | 0.060 | 0.005 | 0.006 | 0.000 |    |    |    |     |       | 1348.57 |  |
| 10  | 0.6519           | 1075.0            | 1094.0            |                      | 0.353 | 3.839 | 81.373 | 13.021 | 1.318 | 0.027 | 0.059 | 0.004 | 0.005 | 0.000 |    |    |    |     |       | 1351.90 |  |
| 11  | 0.6537           | 1076.9            | 1096.0            |                      | 0.404 | 3.817 | 81.227 | 12.983 | 1.456 | 0.031 | 0.069 | 0.005 | 0.007 | 0.000 |    |    |    |     |       | 1352.39 |  |
| 12  | 0.6471           | 1066.7            | 1085.6            |                      | 0.351 | 3.901 | 82.460 | 11.791 | 1.363 | 0.035 | 0.083 | 0.007 | 0.008 | 0.000 |    |    |    |     |       | 1346.34 |  |
| 13  | 0.6459           | 1062.2            | 1081.0            |                      | 0.373 | 4.024 | 82.841 | 11.166 | 1.437 | 0.040 | 0.098 | 0.009 | 0.011 | 0.001 |    |    |    |     |       | 1341.98 |  |
| 14  | 0.6630           | 1088.7            | 1108.0            |                      | 0.473 | 3.861 | 80.050 | 13.496 | 1.911 | 0.053 | 0.128 | 0.012 | 0.015 | 0.001 |    |    |    |     |       | 1357.63 |  |
| 15  | 0.6833           | 1118.7            | 1138.5            |                      | 0.657 | 3.663 | 76.858 | 16.053 | 2.480 | 0.072 | 0.174 | 0.017 | 0.021 | 0.005 |    |    |    |     |       | 1374.08 |  |
| 16  | 0.6801           | 1113.1            | 1132.8            |                      | 0.643 | 3.719 | 77.468 | 15.417 | 2.469 | 0.070 | 0.171 | 0.016 | 0.020 | 0.006 |    |    |    |     |       | 1370.54 |  |
| 17  | 0.6782           | 1110.3            | 1130.0            |                      | 0.624 | 3.745 | 77.708 | 15.279 | 2.363 | 0.070 | 0.170 | 0.016 | 0.020 | 0.004 |    |    |    |     |       | 1368.94 |  |
| 18  | 0.6775           | 1108.2            | 1127.8            |                      | 0.642 | 3.778 | 77.827 | 15.161 | 2.310 | 0.070 | 0.171 | 0.017 | 0.021 | 0.004 |    |    |    |     |       | 1367.06 |  |
| 19  | 0.6755           | 1105.1            | 1124.7            |                      | 0.634 | 3.790 | 78.203 | 14.776 | 2.334 | 0.066 | 0.161 | 0.015 | 0.018 | 0.003 |    |    |    |     |       | 1365.28 |  |
| 20  | 0.6780           | 1109.0            | 1128.7            |                      | 0.638 | 3.777 | 77.790 | 15.150 | 2.359 | 0.069 | 0.172 | 0.017 | 0.022 | 0.006 |    |    |    |     |       | 1367.62 |  |
| 21  | 0.6749           | 1104.2            | 1123.8            |                      | 0.603 | 3.833 | 78.322 | 14.587 | 2.420 | 0.061 | 0.145 | 0.013 | 0.015 | 0.002 |    |    |    |     |       | 1364.78 |  |
| 22  | 0.6552           | 1074.9            | 1094.0            |                      | 0.431 | 4.037 | 81.469 | 11.966 | 1.950 | 0.039 | 0.091 | 0.007 | 0.008 | 0.000 |    |    |    |     |       | 1348.33 |  |
| 23  | 0.6574           | 1078.1            | 1097.2            |                      | 0.454 | 4.011 | 81.230 | 12.039 | 2.116 | 0.042 | 0.094 | 0.007 | 0.008 | 0.000 |    |    |    |     |       | 1350.07 |  |
| 24  | 0.6263           | 1033.8            | 1052.1            |                      | 0.231 | 4.126 | 86.268 | 8.125  | 1.167 | 0.022 | 0.051 | 0.004 | 0.005 | 0.000 |    |    |    |     |       | 1326.37 |  |
| 25  | 0.6254           | 1030.0            | 1048.2            |                      | 0.231 | 4.271 | 86.455 | 7.780  | 1.179 | 0.023 | 0.052 | 0.004 | 0.005 | 0.000 |    |    |    |     |       | 1322.44 |  |
| 26  | 0.5951           | 983.8             | 1001.3            |                      | 0.053 | 4.515 | 91.472 | 3.604  | 0.323 | 0.009 | 0.021 | 0.002 | 0.002 | 0.000 |    |    |    |     |       | 1294.88 |  |
| 27  | 0.6151           | 1014.7            | 1032.7            |                      | 0.169 | 4.335 | 88.160 | 6.378  | 0.894 | 0.018 | 0.041 | 0.003 | 0.004 | 0.000 |    |    |    |     |       | 1313.64 |  |
| 28  | 0.6522           | 1073.8            | 1092.8            |                      | 0.384 | 3.892 | 81.944 | 11.779 | 1.879 | 0.035 | 0.074 | 0.006 | 0.007 | 0.000 |    |    |    |     |       | 1350.03 |  |
| 29  | 0.6477           | 1067.2            | 1086.1            |                      | 0.339 | 3.938 | 82.679 | 11.199 | 1.710 | 0.039 | 0.084 | 0.006 | 0.007 | 0.000 |    |    |    |     |       | 1346.41 |  |
| 30  | 0.6612           | 1081.2            | 1100.4            |                      | 0.359 | 4.320 | 80.497 | 12.400 | 2.245 | 0.054 | 0.111 | 0.007 | 0.007 | 0.000 |    |    |    |     |       | 1350.10 |  |
| Avg | 0.6553           | 1077.0            | 1096.1            |                      | 0.426 | 3.922 | 81.227 | 12.599 | 1.667 | 0.042 | 0.097 | 0.008 | 0.010 | 0.001 |    |    |    |     |       | 1350.80 |  |

Zone 260

# Source Daily Summary

April 2020

|                |                              |                          |        |                       |   |
|----------------|------------------------------|--------------------------|--------|-----------------------|---|
| <b>Number:</b> | 601                          | <b>Pressure Base:</b>    | 14.730 | <b>Contract Day:</b>  | 1 |
| <b>Name:</b>   | TIOGA STN-ROBINSON LAKE PLNT | <b>Temperature Base:</b> |        | <b>Contract Hour:</b> | 9 |

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe   | CCT |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-----|
| 1   | 0.7065           | 1152.7            | 1173.1            | 1169.9               | 0.916 | 3.379 | 72.441 | 20.526 | 2.427 | 0.085 | 0.189 | 0.016 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.29 |     |
| 2   | 0.7059           | 1150.5            | 1170.9            | 1167.8               | 0.957 | 3.393 | 72.367 | 20.730 | 2.282 | 0.076 | 0.166 | 0.013 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.31 |     |
| 3   | 0.7058           | 1150.6            | 1171.0            | 1167.9               | 0.950 | 3.388 | 72.397 | 20.701 | 2.287 | 0.077 | 0.172 | 0.013 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.52 |     |
| 4   | 0.7089           | 1155.9            | 1176.3            | 1173.0               | 0.932 | 3.384 | 72.050 | 20.829 | 2.496 | 0.082 | 0.189 | 0.016 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.72 |     |
| 5   | 0.7101           | 1157.9            | 1178.4            | 1175.2               | 0.912 | 3.409 | 71.918 | 20.699 | 2.829 | 0.066 | 0.143 | 0.011 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.00 |     |
| 6   | 0.7141           | 1164.8            | 1185.5            | 1182.2               | 0.908 | 3.362 | 71.607 | 20.622 | 3.227 | 0.075 | 0.168 | 0.014 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.44 |     |
| 7   | 0.7118           | 1161.6            | 1182.1            | 1178.9               | 0.904 | 3.350 | 71.880 | 20.531 | 3.086 | 0.069 | 0.152 | 0.013 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.81 |     |
| 8   | 0.7117           | 1161.0            | 1181.6            | 1178.4               | 0.917 | 3.359 | 71.790 | 20.653 | 3.076 | 0.059 | 0.123 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.23 |     |
| 9   | 0.7103           | 1158.9            | 1179.4            | 1176.3               | 0.898 | 3.380 | 71.951 | 20.571 | 3.019 | 0.055 | 0.111 | 0.007 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.14 |     |
| 10  | 0.7120           | 1160.9            | 1181.5            | 1178.3               | 0.914 | 3.388 | 71.851 | 20.461 | 3.176 | 0.061 | 0.127 | 0.009 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.91 |     |
| 11  | 0.7094           | 1156.9            | 1177.4            | 1174.3               | 0.898 | 3.416 | 72.342 | 19.975 | 3.151 | 0.064 | 0.133 | 0.010 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.60 |     |
| 12  | 0.7110           | 1159.5            | 1180.0            | 1176.9               | 0.936 | 3.352 | 72.051 | 20.315 | 3.122 | 0.065 | 0.136 | 0.010 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.12 |     |
| 13  | 0.7158           | 1166.5            | 1187.1            | 1184.0               | 0.948 | 3.358 | 71.467 | 20.584 | 3.338 | 0.083 | 0.189 | 0.015 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.80 |     |
| 14  | 0.7164           | 1167.1            | 1187.8            | 1184.5               | 0.955 | 3.361 | 71.551 | 20.378 | 3.398 | 0.093 | 0.221 | 0.019 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.95 |     |
| 15  | 0.7150           | 1165.8            | 1186.4            | 1183.1               | 0.927 | 3.357 | 71.920 | 19.931 | 3.497 | 0.096 | 0.227 | 0.020 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.66 |     |
| 16  | 0.7157           | 1167.0            | 1187.7            | 1184.3               | 0.940 | 3.330 | 71.714 | 20.254 | 3.381 | 0.098 | 0.233 | 0.022 | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.40 |     |
| 17  | 0.7151           | 1167.0            | 1187.7            | 1184.2               | 0.923 | 3.300 | 71.778 | 20.266 | 3.362 | 0.096 | 0.227 | 0.021 | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1401.00 |     |
| 18  | 0.7147           | 1166.5            | 1187.2            | 1183.7               | 0.917 | 3.296 | 71.815 | 20.308 | 3.285 | 0.097 | 0.231 | 0.022 | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.84 |     |
| 19  | 0.7114           | 1160.5            | 1181.0            | 1177.5               | 0.924 | 3.348 | 72.301 | 19.943 | 3.108 | 0.096 | 0.230 | 0.022 | 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.76 |     |
| 20  | 0.7120           | 1161.4            | 1182.0            | 1178.7               | 0.930 | 3.332 | 72.317 | 19.785 | 3.270 | 0.094 | 0.226 | 0.021 | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.44 |     |
| 21  | 0.7141           | 1164.9            | 1185.5            | 1181.9               | 0.931 | 3.323 | 71.931 | 20.162 | 3.268 | 0.096 | 0.237 | 0.023 | 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.42 |     |
| 22  | 0.7151           | 1166.6            | 1187.3            | 1183.8               | 0.917 | 3.333 | 71.691 | 20.379 | 3.322 | 0.092 | 0.220 | 0.020 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.57 |     |
| 23  | 0.7106           | 1159.8            | 1180.3            | 1176.9               | 0.833 | 3.454 | 72.322 | 19.788 | 3.336 | 0.070 | 0.168 | 0.013 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.81 |     |
| 24  | 0.7122           | 1160.6            | 1181.2            | 1177.9               | 0.820 | 3.566 | 72.202 | 19.537 | 3.638 | 0.065 | 0.149 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.35 |     |
| 25  | 0.7087           | 1158.1            | 1178.6            | 1175.3               | 0.749 | 3.507 | 72.661 | 19.369 | 3.499 | 0.059 | 0.135 | 0.009 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.65 |     |
| 26  | 0.6975           | 1140.8            | 1161.0            | 1157.7               | 0.702 | 3.571 | 74.651 | 17.616 | 3.251 | 0.060 | 0.127 | 0.009 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.77 |     |
| 27  | 0.7021           | 1147.4            | 1167.7            | 1164.3               | 0.739 | 3.549 | 73.953 | 18.109 | 3.427 | 0.064 | 0.137 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.23 |     |
| 28  | 0.6985           | 1142.5            | 1162.8            | 1159.5               | 0.700 | 3.566 | 74.410 | 17.897 | 3.217 | 0.060 | 0.128 | 0.010 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.90 |     |
| 29  | 0.7010           | 1148.2            | 1168.6            | 1165.2               | 0.704 | 3.448 | 73.872 | 18.597 | 3.172 | 0.060 | 0.126 | 0.009 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.37 |     |
| 30  | 0.6947           | 1141.1            | 1161.3            | 1157.7               | 0.633 | 3.400 | 74.822 | 18.022 | 2.936 | 0.056 | 0.113 | 0.008 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.96 |     |
| Avg | 0.7096           | 1158.0            | 1178.6            | 1175.3               | 0.874 | 3.399 | 72.401 | 19.918 | 3.130 | 0.076 | 0.171 | 0.014 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.77 |     |

Zone 261

# Source Daily Summary

April 2020

|                |                           |                          |        |                       |   |
|----------------|---------------------------|--------------------------|--------|-----------------------|---|
| <b>Number:</b> | 091                       | <b>Pressure Base:</b>    | 14.730 | <b>Contract Day:</b>  | 1 |
| <b>Name:</b>   | MNT BRD-PLRMO BRD-BIS STN | <b>Temperature Base:</b> |        | <b>Contract Hour:</b> | 9 |

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe   | CCT |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-----|
| 1   | 0.7383           | 1160.9            | 1181.4            | 1178.3               | 0.924 | 5.849 | 68.152 | 19.906 | 4.669 | 0.146 | 0.318 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1371.70 |     |
| 2   | 0.7372           | 1160.4            | 1180.9            | 1177.8               | 0.938 | 5.751 | 68.292 | 19.964 | 4.564 | 0.143 | 0.312 | 0.017 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1372.19 |     |
| 3   | 0.7370           | 1159.8            | 1180.4            | 1177.3               | 0.935 | 5.773 | 68.325 | 19.906 | 4.571 | 0.143 | 0.313 | 0.017 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1371.72 |     |
| 4   | 0.7391           | 1163.3            | 1183.9            | 1180.7               | 0.930 | 5.770 | 68.058 | 20.037 | 4.693 | 0.148 | 0.326 | 0.018 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.77 |     |
| 5   | 0.7395           | 1163.5            | 1184.1            | 1181.0               | 0.929 | 5.788 | 68.010 | 20.018 | 4.763 | 0.143 | 0.314 | 0.017 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.78 |     |
| 6   | 0.7422           | 1168.1            | 1188.8            | 1185.7               | 0.931 | 5.757 | 67.712 | 20.133 | 4.947 | 0.150 | 0.332 | 0.018 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.66 |     |
| 7   | 0.7398           | 1163.8            | 1184.4            | 1181.3               | 0.926 | 5.804 | 67.989 | 19.980 | 4.809 | 0.143 | 0.314 | 0.017 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.79 |     |
| 8   | 0.7364           | 1159.7            | 1180.2            | 1177.2               | 0.930 | 5.726 | 68.406 | 19.882 | 4.610 | 0.131 | 0.283 | 0.015 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1372.18 |     |
| 9   | 0.7364           | 1159.4            | 1179.9            | 1176.8               | 0.924 | 5.756 | 68.387 | 19.875 | 4.622 | 0.130 | 0.279 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1371.80 |     |
| 10  | 0.7383           | 1162.9            | 1183.5            | 1180.4               | 0.927 | 5.713 | 68.198 | 19.952 | 4.738 | 0.138 | 0.300 | 0.016 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.20 |     |
| 11  | 0.7377           | 1160.9            | 1181.5            | 1178.4               | 0.923 | 5.790 | 68.276 | 19.815 | 4.726 | 0.138 | 0.299 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1372.33 |     |
| 12  | 0.7369           | 1160.7            | 1181.2            | 1178.2               | 0.931 | 5.717 | 68.356 | 19.890 | 4.648 | 0.135 | 0.291 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1372.81 |     |
| 13  | 0.7378           | 1162.1            | 1182.7            | 1179.6               | 0.934 | 5.709 | 68.288 | 19.884 | 4.704 | 0.140 | 0.306 | 0.017 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.65 |     |
| 14  | 0.7389           | 1162.7            | 1183.3            | 1180.2               | 0.931 | 5.779 | 68.145 | 19.877 | 4.773 | 0.143 | 0.315 | 0.018 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.35 |     |
| 15  | 0.7419           | 1164.9            | 1185.5            | 1182.4               | 0.921 | 5.948 | 67.721 | 19.935 | 4.960 | 0.149 | 0.328 | 0.018 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.07 |     |
| 16  | 0.7432           | 1164.3            | 1184.9            | 1181.8               | 0.919 | 6.104 | 67.500 | 19.941 | 5.016 | 0.152 | 0.332 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1371.24 |     |
| 17  | 0.7469           | 1171.5            | 1192.3            | 1189.1               | 0.920 | 6.006 | 67.167 | 20.032 | 5.298 | 0.174 | 0.366 | 0.019 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.33 |     |
| 18  | 0.7483           | 1172.1            | 1192.9            | 1189.7               | 0.917 | 6.101 | 67.161 | 19.722 | 5.448 | 0.202 | 0.413 | 0.018 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.78 |     |
| 19  | 0.7508           | 1177.0            | 1197.8            | 1194.7               | 0.913 | 6.048 | 66.869 | 19.879 | 5.610 | 0.210 | 0.433 | 0.019 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.15 |     |
| 20  | 0.7513           | 1177.8            | 1198.6            | 1195.5               | 0.914 | 6.046 | 66.819 | 19.885 | 5.649 | 0.212 | 0.434 | 0.020 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.60 |     |
| 21  | 0.7547           | 1182.7            | 1203.6            | 1200.5               | 0.908 | 6.069 | 66.439 | 19.949 | 5.932 | 0.219 | 0.445 | 0.019 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1382.29 |     |
| 22  | 0.7537           | 1177.8            | 1198.6            | 1195.5               | 0.909 | 6.273 | 66.458 | 19.856 | 5.820 | 0.216 | 0.434 | 0.017 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.50 |     |
| 23  | 0.7530           | 1176.1            | 1197.0            | 1193.8               | 0.904 | 6.322 | 66.529 | 19.779 | 5.780 | 0.215 | 0.437 | 0.017 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.13 |     |
| 24  | 0.7506           | 1174.3            | 1195.0            | 1191.9               | 0.916 | 6.190 | 66.840 | 19.831 | 5.527 | 0.212 | 0.447 | 0.019 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.17 |     |
| 25  | 0.7498           | 1182.4            | 1203.4            | 1200.1               | 0.903 | 5.642 | 66.609 | 21.117 | 5.042 | 0.184 | 0.439 | 0.030 | 0.034 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.39 |     |
| 26  | 0.7438           | 1175.0            | 1195.8            | 1192.5               | 0.874 | 5.573 | 67.528 | 20.554 | 4.825 | 0.172 | 0.411 | 0.029 | 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1383.21 |     |
| 27  | 0.7481           | 1180.1            | 1201.0            | 1197.6               | 0.895 | 5.638 | 66.873 | 20.925 | 5.000 | 0.179 | 0.426 | 0.030 | 0.034 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.18 |     |
| 28  | 0.7503           | 1181.2            | 1202.1            | 1198.7               | 0.888 | 5.780 | 66.745 | 20.580 | 5.334 | 0.187 | 0.427 | 0.027 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.49 |     |
| 29  | 0.7519           | 1174.4            | 1195.2            | 1192.0               | 0.908 | 6.317 | 66.452 | 20.049 | 5.718 | 0.172 | 0.351 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.12 |     |
| 30  | 0.7539           | 1177.6            | 1198.5            | 1195.3               | 0.908 | 6.303 | 66.167 | 20.227 | 5.843 | 0.172 | 0.348 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.15 |     |
| Avg | 0.7443           | 1169.0            | 1189.9            | 1186.8               | 0.918 | 5.901 | 67.482 | 20.046 | 5.088 | 0.167 | 0.359 | 0.019 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.09 |     |

Zone 262

# Gas Composition and Properties

Effective April 1, 2020

Source #: 2501030  
Name: LIGNITE PLANT

| Component             | Mole %          | Liquid Content | Mass %          |
|-----------------------|-----------------|----------------|-----------------|
| Carbon Dioxide, CO2   | 0.2177          |                | 0.4933          |
| Nitrogen, N2          | 2.8657          |                | 4.1330          |
| Methane, C1           | 77.5426         |                | 64.0438         |
| Ethane, C2            | 17.5548         | 4.6964         | 27.1757         |
| Propane, C3           | 1.7968          | 0.4952         | 4.0791          |
| iso-Butane, iC4       | 0.0139          | 0.0046         | 0.0416          |
| n-Butane, nC4         | 0.0029          | 0.0009         | 0.0087          |
| iso-Pentane, iC5      |                 |                |                 |
| n-Pentane, nC5        |                 |                |                 |
| Neo-Pentane, NeoC5    |                 |                |                 |
| Hexanes Plus, C6+     | 0.0056          | 0.0023         | 0.0248          |
| Water, H2O            |                 |                |                 |
| Hydrogen Sulfide, H2S |                 |                |                 |
| Oxygen, O2            |                 |                |                 |
| Carbon Monoxide, CO   |                 |                |                 |
| Hydrogen, H2          |                 |                |                 |
| Helium, He            |                 |                |                 |
| Argon, Ar             |                 |                |                 |
| <b>Totals</b>         | <b>100.0000</b> | <b>5.1990</b>  | <b>100.0000</b> |

| Property               | Total Sample | C6 Plus Fraction |
|------------------------|--------------|------------------|
| Pressure Base          | 14.730       |                  |
| Temperature Base       | 60.00        |                  |
| HCDP @ Sample Pressure | -43.148      |                  |
| Cricondenthem          | -28.704      |                  |
| HV, Dry @ Base P, T    | 1145.81      |                  |
| HV, Sat @ Base P, T    | 1125.87      |                  |
| HV, Sat @ Sample P, T  | 1145.81      |                  |
| Relative Density       | 0.6723       |                  |
| C6+: 100               |              |                  |

## Sample

Date: 04/01/2020      Pressure: 400.0  
 Type:                      Temperature:  
 Tech: Kevin Moos      H2O: lbs/mm  
                                  H2S: ppm

Remarks:

## Analysis

Date: 04/01/2020      Instrument:  
                                  Cylinder: 343  
 Tech: Kevin Moos

Remarks:

# Gas Composition and Properties

Effective April 1, 2020

Source #: 3002013  
Name: EPPING BORDER

| Component             | Mole %          | Liquid Content | Mass %          |
|-----------------------|-----------------|----------------|-----------------|
| Carbon Dioxide, CO2   | 0.7829          |                | 1.7462          |
| Nitrogen, N2          | 2.9401          |                | 4.1741          |
| Methane, C1           | 76.4957         |                | 62.1928         |
| Ethane, C2            | 17.6144         | 4.7126         | 26.8422         |
| Propane, C3           | 1.9150          | 0.5278         | 4.2795          |
| iso-Butane, iC4       | 0.0702          | 0.0230         | 0.2068          |
| n-Butane, nC4         | 0.1543          | 0.0487         | 0.4545          |
| iso-Pentane, iC5      | 0.0107          | 0.0039         | 0.0391          |
| n-Pentane, nC5        | 0.0114          | 0.0041         | 0.0417          |
| Neo-Pentane, NeoC5    |                 |                |                 |
| Hexanes Plus, C6+     | 0.0053          | 0.0022         | 0.0231          |
| Water, H2O            |                 |                |                 |
| Hydrogen Sulfide, H2S |                 |                |                 |
| Oxygen, O2            |                 |                |                 |
| Carbon Monoxide, CO   |                 |                |                 |
| Hydrogen, H2          |                 |                |                 |
| Helium, He            |                 |                |                 |
| Argon, Ar             |                 |                |                 |
| <b>Totals</b>         | <b>100.0000</b> | <b>5.3230</b>  | <b>100.0000</b> |

| Property               | Total Sample | C6 Plus Fraction |
|------------------------|--------------|------------------|
| Pressure Base          | 14.730       |                  |
| Temperature Base       | 60.00        |                  |
| HCDP @ Sample Pressure | -29.392      |                  |
| Cricondentherm         | -19.936      |                  |
| HV, Dry @ Base P, T    | 1146.98      |                  |
| HV, Sat @ Base P, T    | 1127.02      |                  |
| HV, Sat @ Sample P, T  | 1146.98      |                  |
| Relative Density       | 0.6830       |                  |
| C6+: 100               |              |                  |

**Sample**

Date: 04/01/2020      Pressure: 450.0  
 Type:                      Temperature:  
 Tech: Kevin Moos      H2O: lbs/mm  
                                  H2S: ppm

Remarks:

**Analysis**

Date: 04/01/2020      Instrument:  
                                  Cylinder: 125  
 Tech: Kevin Moos

Remarks:

\*\*\* End of Report \*\*\*

# Source Daily Summary

April 2020

**Number:** 603

**Pressure Base:** 14.730

**Contract Day:** 1

**Name:** TIOGA STN-COUNTY LINE PLANT

**Temperature Base:**

**Contract Hour:** 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe   | CCT |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-----|
| 1   | 0.7081           | 1155.0            | 1175.4            | 1172.1               | 0.932 | 3.369 | 72.267 | 20.578 | 2.534 | 0.089 | 0.194 | 0.016 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.37 |     |
| 2   | 0.7060           | 1151.3            | 1171.7            | 1168.4               | 0.938 | 3.385 | 72.365 | 20.730 | 2.310 | 0.076 | 0.167 | 0.013 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.10 |     |
| 3   | 0.7060           | 1151.0            | 1171.4            | 1168.2               | 0.953 | 3.383 | 72.373 | 20.707 | 2.305 | 0.077 | 0.173 | 0.013 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.74 |     |
| 4   | 0.7085           | 1154.9            | 1175.4            | 1172.1               | 0.949 | 3.384 | 72.085 | 20.835 | 2.427 | 0.084 | 0.196 | 0.017 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.96 |     |
| 5   | 0.7090           | 1156.3            | 1176.8            | 1173.5               | 0.909 | 3.407 | 72.005 | 20.762 | 2.683 | 0.067 | 0.144 | 0.011 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.16 |     |
| 6   | 0.7144           | 1164.8            | 1185.4            | 1182.0               | 0.915 | 3.379 | 71.594 | 20.602 | 3.224 | 0.077 | 0.174 | 0.015 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.08 |     |
| 7   | 0.7127           | 1162.7            | 1183.3            | 1180.0               | 0.909 | 3.361 | 71.769 | 20.572 | 3.125 | 0.073 | 0.162 | 0.013 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1398.24 |     |
| 8   | 0.7121           | 1161.8            | 1182.4            | 1179.2               | 0.914 | 3.348 | 71.748 | 20.685 | 3.094 | 0.061 | 0.127 | 0.011 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.85 |     |
| 9   | 0.7103           | 1158.9            | 1179.4            | 1176.3               | 0.905 | 3.374 | 71.936 | 20.602 | 2.998 | 0.056 | 0.113 | 0.007 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.10 |     |
| 10  | 0.7126           | 1162.1            | 1182.7            | 1179.5               | 0.913 | 3.379 | 71.679 | 20.679 | 3.146 | 0.059 | 0.124 | 0.009 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.71 |     |
| 11  | 0.7103           | 1158.6            | 1179.1            | 1175.9               | 0.894 | 3.408 | 72.253 | 19.988 | 3.226 | 0.067 | 0.141 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.67 |     |
| 12  | 0.7098           | 1157.6            | 1178.1            | 1174.9               | 0.924 | 3.378 | 72.224 | 20.169 | 3.085 | 0.064 | 0.134 | 0.010 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.97 |     |
| 13  | 0.7142           | 1164.1            | 1184.7            | 1181.5               | 0.945 | 3.358 | 71.618 | 20.566 | 3.244 | 0.075 | 0.166 | 0.013 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1398.52 |     |
| 14  | 0.7167           | 1167.8            | 1188.4            | 1185.1               | 0.955 | 3.357 | 71.458 | 20.484 | 3.394 | 0.092 | 0.218 | 0.019 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.36 |     |
| 15  | 0.7154           | 1166.0            | 1186.7            | 1183.3               | 0.934 | 3.371 | 71.848 | 19.967 | 3.512 | 0.096 | 0.227 | 0.020 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.54 |     |
| 16  | 0.7156           | 1167.1            | 1187.8            | 1184.4               | 0.933 | 3.325 | 71.720 | 20.261 | 3.384 | 0.097 | 0.230 | 0.021 | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.63 |     |
| 17  | 0.7150           | 1166.8            | 1187.4            | 1184.0               | 0.924 | 3.304 | 71.773 | 20.279 | 3.353 | 0.095 | 0.225 | 0.020 | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.82 |     |
| 18  | 0.7160           | 1168.0            | 1188.7            | 1185.2               | 0.938 | 3.297 | 71.688 | 20.316 | 3.370 | 0.099 | 0.238 | 0.023 | 0.030 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1401.29 |     |
| 19  | 0.7115           | 1161.0            | 1181.6            | 1178.2               | 0.906 | 3.347 | 72.262 | 20.016 | 3.084 | 0.097 | 0.236 | 0.023 | 0.030 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1397.40 |     |
| 20  | 0.7132           | 1163.2            | 1183.8            | 1180.4               | 0.937 | 3.324 | 72.136 | 19.925 | 3.306 | 0.095 | 0.227 | 0.021 | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1398.35 |     |
| 21  | 0.7129           | 1163.1            | 1183.6            | 1180.2               | 0.933 | 3.318 | 72.157 | 19.971 | 3.235 | 0.096 | 0.236 | 0.023 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1398.38 |     |
| 22  | 0.7159           | 1166.7            | 1187.4            | 1184.0               | 0.926 | 3.384 | 71.645 | 20.265 | 3.420 | 0.093 | 0.223 | 0.020 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.93 |     |
| 23  | 0.7099           | 1157.4            | 1177.9            | 1174.7               | 0.810 | 3.569 | 72.543 | 19.319 | 3.515 | 0.066 | 0.155 | 0.010 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.66 |     |
| 24  | 0.7107           | 1159.6            | 1180.1            | 1176.9               | 0.797 | 3.532 | 72.374 | 19.520 | 3.547 | 0.063 | 0.145 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.47 |     |
| 25  | 0.7102           | 1159.4            | 1179.9            | 1176.7               | 0.774 | 3.523 | 72.467 | 19.457 | 3.556 | 0.062 | 0.141 | 0.009 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.81 |     |
| 26  | 0.7060           | 1154.1            | 1174.5            | 1171.3               | 0.750 | 3.496 | 73.223 | 18.828 | 3.481 | 0.064 | 0.137 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.42 |     |
| 27  | 0.7047           | 1151.6            | 1172.0            | 1168.8               | 0.752 | 3.514 | 73.508 | 18.515 | 3.486 | 0.065 | 0.138 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.79 |     |
| 28  | 0.7044           | 1151.4            | 1171.8            | 1168.6               | 0.741 | 3.520 | 73.487 | 18.601 | 3.429 | 0.064 | 0.137 | 0.010 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.81 |     |
| 29  | 0.7001           | 1147.7            | 1168.0            | 1164.7               | 0.694 | 3.414 | 74.028 | 18.504 | 3.159 | 0.059 | 0.123 | 0.009 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.57 |     |
| 30  | 0.6922           | 1140.2            | 1160.4            | 1157.1               | 0.584 | 3.299 | 75.179 | 17.919 | 2.844 | 0.053 | 0.105 | 0.008 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.32 |     |
| Avg | 0.7102           | 1159.0            | 1179.5            | 1176.2               | 0.876 | 3.393 | 72.314 | 19.987 | 3.149 | 0.076 | 0.172 | 0.014 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.30 |     |

# Source Daily Summary

April 2020

Number: 043

Pressure Base: 14.730

Contract Day: 1

Name: BISMARCK STN-CLEVELAND STN

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.7232           | 1153.0            | 1173.4            | 1169.8               | 0.780 | 5.136 | 70.187 | 19.628 | 3.875 | 0.118 | 0.250 | 0.013 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.51 |
| 2   | 0.7139           | 1148.6            | 1168.9            | 1165.3               | 0.763 | 4.557 | 71.523 | 19.472 | 3.354 | 0.100 | 0.210 | 0.011 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.16 |
| 3   | 0.7192           | 1151.0            | 1171.4            | 1167.8               | 0.810 | 4.828 | 70.891 | 19.390 | 3.707 | 0.112 | 0.237 | 0.012 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.05 |
| 4   | 0.7358           | 1161.5            | 1182.1            | 1178.1               | 0.909 | 5.602 | 68.561 | 19.891 | 4.536 | 0.145 | 0.320 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.69 |
| 5   | 0.7389           | 1163.9            | 1184.5            | 1180.4               | 0.909 | 5.740 | 68.121 | 19.988 | 4.741 | 0.146 | 0.321 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.73 |
| 6   | 0.7407           | 1167.9            | 1188.6            | 1184.9               | 0.913 | 5.663 | 67.934 | 20.098 | 4.875 | 0.150 | 0.331 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.70 |
| 7   | 0.7408           | 1167.1            | 1187.8            | 1183.7               | 0.911 | 5.720 | 67.905 | 20.072 | 4.880 | 0.149 | 0.329 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.72 |
| 8   | 0.7296           | 1157.6            | 1178.1            | 1174.3               | 0.872 | 5.310 | 69.391 | 19.756 | 4.252 | 0.123 | 0.268 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.95 |
| 9   | 0.7247           | 1153.6            | 1174.0            | 1170.4               | 0.821 | 5.170 | 70.000 | 19.642 | 3.996 | 0.112 | 0.236 | 0.011 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.91 |
| 10  | 0.7313           | 1158.1            | 1178.6            | 1174.9               | 0.884 | 5.423 | 69.198 | 19.666 | 4.402 | 0.127 | 0.273 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.93 |
| 11  | 0.7329           | 1160.1            | 1180.6            | 1176.9               | 0.887 | 5.453 | 69.051 | 19.621 | 4.530 | 0.135 | 0.294 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.72 |
| 12  | 0.7264           | 1154.6            | 1175.0            | 1171.4               | 0.858 | 5.215 | 69.862 | 19.549 | 4.118 | 0.118 | 0.254 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.42 |
| 13  | 0.7221           | 1152.9            | 1173.3            | 1169.7               | 0.822 | 4.971 | 70.458 | 19.494 | 3.880 | 0.111 | 0.239 | 0.012 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.44 |
| 14  | 0.7237           | 1155.4            | 1175.9            | 1172.2               | 0.806 | 4.990 | 70.254 | 19.575 | 3.982 | 0.116 | 0.250 | 0.013 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.95 |
| 15  | 0.7284           | 1159.9            | 1180.5            | 1176.8               | 0.794 | 5.177 | 69.564 | 19.805 | 4.235 | 0.125 | 0.270 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.84 |
| 16  | 0.7311           | 1159.2            | 1179.8            | 1176.0               | 0.769 | 5.506 | 69.117 | 19.785 | 4.390 | 0.129 | 0.277 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.52 |
| 17  | 0.7349           | 1164.2            | 1184.8            | 1181.0               | 0.816 | 5.489 | 68.718 | 19.879 | 4.621 | 0.142 | 0.304 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.79 |
| 18  | 0.7406           | 1170.8            | 1191.5            | 1187.7               | 0.834 | 5.590 | 68.159 | 19.819 | 5.013 | 0.183 | 0.370 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.29 |
| 19  | 0.7387           | 1168.9            | 1189.6            | 1185.8               | 0.797 | 5.585 | 68.377 | 19.760 | 4.903 | 0.180 | 0.368 | 0.015 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.83 |
| 20  | 0.7382           | 1169.9            | 1190.6            | 1186.8               | 0.825 | 5.435 | 68.601 | 19.602 | 4.951 | 0.182 | 0.369 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1382.42 |
| 21  | 0.7367           | 1168.0            | 1188.7            | 1184.9               | 0.815 | 5.429 | 68.875 | 19.350 | 4.951 | 0.181 | 0.368 | 0.016 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.57 |
| 22  | 0.7428           | 1172.5            | 1193.2            | 1189.4               | 0.850 | 5.673 | 68.029 | 19.559 | 5.267 | 0.197 | 0.395 | 0.016 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.20 |
| 23  | 0.7514           | 1177.1            | 1198.0            | 1194.1               | 0.883 | 6.143 | 66.773 | 19.829 | 5.691 | 0.215 | 0.436 | 0.016 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.73 |
| 24  | 0.7519           | 1176.4            | 1197.3            | 1193.3               | 0.894 | 6.214 | 66.778 | 19.684 | 5.707 | 0.224 | 0.465 | 0.018 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.48 |
| 25  | 0.7502           | 1184.0            | 1204.9            | 1200.7               | 0.897 | 5.601 | 66.661 | 21.011 | 5.119 | 0.191 | 0.455 | 0.031 | 0.034 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.67 |
| 26  | 0.7433           | 1175.7            | 1196.5            | 1192.3               | 0.856 | 5.520 | 67.606 | 20.559 | 4.807 | 0.174 | 0.417 | 0.029 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.36 |
| 27  | 0.7462           | 1179.5            | 1200.4            | 1196.2               | 0.876 | 5.528 | 67.195 | 20.800 | 4.934 | 0.178 | 0.426 | 0.030 | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.15 |
| 28  | 0.7465           | 1180.4            | 1201.3            | 1197.2               | 0.862 | 5.518 | 67.264 | 20.606 | 5.080 | 0.185 | 0.429 | 0.027 | 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.00 |
| 29  | 0.7420           | 1167.1            | 1187.7            | 1183.8               | 0.895 | 5.859 | 67.983 | 19.508 | 5.223 | 0.163 | 0.338 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.57 |
| 30  | 0.7441           | 1170.6            | 1191.3            | 1187.4               | 0.895 | 5.840 | 67.708 | 19.629 | 5.412 | 0.161 | 0.327 | 0.014 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.80 |
| Avg | 0.7357           | 1165.0            | 1185.6            | 1181.8               | 0.850 | 5.463 | 68.691 | 19.834 | 4.648 | 0.152 | 0.327 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.00 |

Zone 271

# Source Daily Summary

April 2020

Number: 063

Pressure Base: 14.730

Contract Day: 1

Name: CLEVELAND STN-MAPLETON

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.7308           | 1158.5            | 1179.0            | 1175.2               | 0.813 | 5.465 | 69.089 | 19.955 | 4.245 | 0.131 | 0.275 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.76 |
| 2   | 0.7224           | 1152.2            | 1172.6            | 1169.0               | 0.784 | 5.098 | 70.322 | 19.587 | 3.824 | 0.116 | 0.243 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.30 |
| 3   | 0.7135           | 1147.7            | 1168.0            | 1164.3               | 0.768 | 4.570 | 71.597 | 19.390 | 3.348 | 0.100 | 0.205 | 0.011 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.35 |
| 4   | 0.7217           | 1152.4            | 1172.9            | 1169.7               | 0.827 | 4.958 | 70.535 | 19.456 | 3.836 | 0.117 | 0.246 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.21 |
| 5   | 0.7370           | 1162.2            | 1182.8            | 1179.6               | 0.919 | 5.657 | 68.380 | 19.959 | 4.583 | 0.146 | 0.319 | 0.018 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.35 |
| 6   | 0.7395           | 1164.0            | 1184.6            | 1181.5               | 0.917 | 5.776 | 68.014 | 20.045 | 4.750 | 0.146 | 0.317 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.26 |
| 7   | 0.7408           | 1167.4            | 1188.0            | 1184.9               | 0.920 | 5.691 | 67.910 | 20.100 | 4.868 | 0.149 | 0.325 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.98 |
| 8   | 0.7412           | 1167.5            | 1188.1            | 1184.3               | 0.919 | 5.730 | 67.847 | 20.096 | 4.896 | 0.149 | 0.327 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.63 |
| 9   | 0.7277           | 1155.4            | 1175.8            | 1172.0               | 0.875 | 5.270 | 69.657 | 19.645 | 4.150 | 0.119 | 0.256 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.97 |
| 10  | 0.7246           | 1153.3            | 1173.8            | 1169.9               | 0.827 | 5.175 | 70.014 | 19.626 | 3.992 | 0.110 | 0.232 | 0.012 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.53 |
| 11  | 0.7321           | 1158.8            | 1179.3            | 1175.5               | 0.893 | 5.441 | 69.076 | 19.741 | 4.422 | 0.126 | 0.271 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.93 |
| 12  | 0.7327           | 1159.6            | 1180.2            | 1176.5               | 0.893 | 5.448 | 69.074 | 19.630 | 4.503 | 0.133 | 0.288 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.35 |
| 13  | 0.7265           | 1154.4            | 1174.9            | 1171.2               | 0.863 | 5.229 | 69.836 | 19.569 | 4.110 | 0.118 | 0.250 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.04 |
| 14  | 0.7220           | 1152.4            | 1172.8            | 1169.1               | 0.826 | 4.985 | 70.473 | 19.480 | 3.866 | 0.111 | 0.235 | 0.012 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.91 |
| 15  | 0.7240           | 1155.4            | 1175.8            | 1172.1               | 0.810 | 5.015 | 70.212 | 19.586 | 3.985 | 0.117 | 0.248 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.56 |
| 16  | 0.7283           | 1159.4            | 1179.9            | 1176.2               | 0.794 | 5.201 | 69.566 | 19.801 | 4.221 | 0.124 | 0.263 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.22 |
| 17  | 0.7310           | 1159.1            | 1179.6            | 1175.8               | 0.769 | 5.509 | 69.130 | 19.780 | 4.383 | 0.129 | 0.272 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.33 |
| 18  | 0.7351           | 1164.4            | 1185.0            | 1181.3               | 0.821 | 5.491 | 68.677 | 19.922 | 4.615 | 0.142 | 0.300 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.74 |
| 19  | 0.7405           | 1170.4            | 1191.1            | 1187.3               | 0.841 | 5.603 | 68.171 | 19.797 | 5.009 | 0.182 | 0.364 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.75 |
| 20  | 0.7387           | 1168.5            | 1189.2            | 1185.3               | 0.803 | 5.602 | 68.375 | 19.755 | 4.894 | 0.178 | 0.362 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.27 |
| 21  | 0.7382           | 1169.4            | 1190.1            | 1186.2               | 0.830 | 5.463 | 68.599 | 19.575 | 4.953 | 0.182 | 0.365 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.75 |
| 22  | 0.7371           | 1168.3            | 1188.9            | 1185.1               | 0.822 | 5.439 | 68.811 | 19.398 | 4.953 | 0.181 | 0.365 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.47 |
| 23  | 0.7433           | 1172.4            | 1193.2            | 1189.3               | 0.857 | 5.707 | 67.965 | 19.563 | 5.286 | 0.197 | 0.392 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.66 |
| 24  | 0.7511           | 1176.0            | 1196.8            | 1193.5               | 0.891 | 6.175 | 66.835 | 19.735 | 5.688 | 0.213 | 0.430 | 0.017 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.58 |
| 25  | 0.7517           | 1175.3            | 1196.2            | 1193.1               | 0.901 | 6.253 | 66.775 | 19.678 | 5.683 | 0.221 | 0.454 | 0.018 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.32 |
| 26  | 0.7504           | 1182.9            | 1203.9            | 1200.6               | 0.905 | 5.666 | 66.644 | 20.930 | 5.150 | 0.192 | 0.448 | 0.031 | 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.30 |
| 27  | 0.7433           | 1174.7            | 1195.5            | 1192.1               | 0.861 | 5.565 | 67.608 | 20.528 | 4.796 | 0.173 | 0.410 | 0.029 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1383.20 |
| 28  | 0.7462           | 1178.9            | 1199.8            | 1196.4               | 0.883 | 5.551 | 67.176 | 20.817 | 4.919 | 0.176 | 0.417 | 0.030 | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.46 |
| 29  | 0.7459           | 1178.8            | 1199.7            | 1196.4               | 0.869 | 5.552 | 67.311 | 20.582 | 5.036 | 0.180 | 0.415 | 0.027 | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.62 |
| 30  | 0.7405           | 1164.8            | 1185.4            | 1182.3               | 0.903 | 5.847 | 68.182 | 19.422 | 5.132 | 0.159 | 0.325 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.21 |
| Avg | 0.7353           | 1164.0            | 1184.8            | 1181.2               | 0.853 | 5.471 | 68.729 | 19.838 | 4.603 | 0.151 | 0.321 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.33 |

Zone 272

# Source Daily Summary

April 2020

Number: 061

Pressure Base: 14.730

Contract Day: 1

Name: CLEVELAND STN-GRAFTON BDR

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.7311           | 1158.2            | 1178.7            | 1175.5               | 0.815 | 5.497 | 69.061 | 19.924 | 4.265 | 0.131 | 0.277 | 0.015 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.26 |
| 2   | 0.7226           | 1151.8            | 1172.2            | 1169.0               | 0.787 | 5.138 | 70.288 | 19.567 | 3.834 | 0.117 | 0.243 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.62 |
| 3   | 0.7137           | 1147.6            | 1167.9            | 1164.7               | 0.769 | 4.588 | 71.578 | 19.385 | 3.353 | 0.100 | 0.206 | 0.011 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.10 |
| 4   | 0.7190           | 1150.5            | 1170.9            | 1167.8               | 0.814 | 4.836 | 70.917 | 19.373 | 3.691 | 0.112 | 0.233 | 0.012 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.55 |
| 5   | 0.7351           | 1160.4            | 1180.9            | 1177.7               | 0.914 | 5.597 | 68.642 | 19.879 | 4.481 | 0.143 | 0.310 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1373.98 |
| 6   | 0.7393           | 1164.4            | 1185.0            | 1181.9               | 0.918 | 5.731 | 68.050 | 20.074 | 4.725 | 0.146 | 0.320 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.93 |
| 7   | 0.7407           | 1166.3            | 1187.0            | 1183.8               | 0.921 | 5.744 | 67.913 | 20.048 | 4.864 | 0.148 | 0.324 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.85 |
| 8   | 0.7410           | 1166.7            | 1187.3            | 1184.0               | 0.919 | 5.751 | 67.885 | 20.050 | 4.885 | 0.149 | 0.326 | 0.018 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.99 |
| 9   | 0.7289           | 1156.3            | 1176.8            | 1173.5               | 0.879 | 5.317 | 69.499 | 19.676 | 4.218 | 0.121 | 0.262 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.96 |
| 10  | 0.7246           | 1153.1            | 1173.6            | 1170.4               | 0.827 | 5.188 | 70.011 | 19.618 | 3.989 | 0.111 | 0.232 | 0.012 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.28 |
| 11  | 0.7316           | 1157.8            | 1178.3            | 1175.1               | 0.892 | 5.455 | 69.145 | 19.693 | 4.393 | 0.125 | 0.268 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.23 |
| 12  | 0.7330           | 1159.6            | 1180.1            | 1176.9               | 0.895 | 5.478 | 69.037 | 19.610 | 4.525 | 0.134 | 0.290 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.99 |
| 13  | 0.7265           | 1154.0            | 1174.4            | 1171.3               | 0.865 | 5.247 | 69.851 | 19.529 | 4.113 | 0.118 | 0.251 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.59 |
| 14  | 0.7220           | 1152.2            | 1172.6            | 1169.4               | 0.828 | 5.000 | 70.468 | 19.463 | 3.869 | 0.111 | 0.235 | 0.012 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.58 |
| 15  | 0.7236           | 1154.7            | 1175.1            | 1171.9               | 0.812 | 5.020 | 70.261 | 19.553 | 3.966 | 0.115 | 0.245 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.07 |
| 16  | 0.7284           | 1159.2            | 1179.7            | 1176.5               | 0.800 | 5.213 | 69.570 | 19.769 | 4.228 | 0.125 | 0.265 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.86 |
| 17  | 0.7307           | 1158.2            | 1178.7            | 1175.5               | 0.771 | 5.528 | 69.178 | 19.730 | 4.367 | 0.128 | 0.271 | 0.014 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.60 |
| 18  | 0.7347           | 1163.5            | 1184.1            | 1180.9               | 0.818 | 5.508 | 68.721 | 19.898 | 4.585 | 0.140 | 0.297 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.11 |
| 19  | 0.7403           | 1169.7            | 1190.4            | 1187.2               | 0.843 | 5.620 | 68.204 | 19.755 | 5.000 | 0.181 | 0.364 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.17 |
| 20  | 0.7383           | 1167.5            | 1188.2            | 1185.0               | 0.803 | 5.621 | 68.430 | 19.704 | 4.874 | 0.177 | 0.360 | 0.015 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.54 |
| 21  | 0.7383           | 1169.0            | 1189.7            | 1186.4               | 0.832 | 5.486 | 68.590 | 19.557 | 4.956 | 0.181 | 0.364 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.27 |
| 22  | 0.7367           | 1167.3            | 1188.0            | 1184.7               | 0.822 | 5.459 | 68.851 | 19.366 | 4.930 | 0.179 | 0.361 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.76 |
| 23  | 0.7426           | 1171.6            | 1192.3            | 1189.1               | 0.856 | 5.699 | 68.054 | 19.522 | 5.253 | 0.195 | 0.388 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.28 |
| 24  | 0.7507           | 1175.2            | 1196.0            | 1192.7               | 0.890 | 6.179 | 66.898 | 19.695 | 5.665 | 0.212 | 0.429 | 0.016 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.12 |
| 25  | 0.7511           | 1174.1            | 1194.9            | 1191.8               | 0.901 | 6.273 | 66.834 | 19.642 | 5.656 | 0.218 | 0.444 | 0.017 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.40 |
| 26  | 0.7473           | 1176.5            | 1197.4            | 1194.2               | 0.908 | 5.761 | 66.976 | 20.698 | 5.021 | 0.180 | 0.407 | 0.024 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.73 |
| 27  | 0.7418           | 1171.9            | 1192.7            | 1189.5               | 0.863 | 5.595 | 67.741 | 20.470 | 4.720 | 0.167 | 0.390 | 0.026 | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.35 |
| 28  | 0.7440           | 1175.9            | 1196.7            | 1193.4               | 0.880 | 5.537 | 67.451 | 20.679 | 4.828 | 0.169 | 0.398 | 0.028 | 0.030 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1383.95 |
| 29  | 0.7429           | 1173.5            | 1194.3            | 1191.2               | 0.872 | 5.587 | 67.608 | 20.483 | 4.861 | 0.167 | 0.377 | 0.022 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1382.25 |
| 30  | 0.7392           | 1162.0            | 1182.6            | 1179.5               | 0.905 | 5.890 | 68.298 | 19.378 | 5.043 | 0.152 | 0.307 | 0.013 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1372.16 |
| Avg | 0.7347           | 1163.0            | 1183.6            | 1180.3               | 0.854 | 5.485 | 68.800 | 19.793 | 4.572 | 0.148 | 0.315 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.52 |

Zone 273

# Source Daily Summary

April 2020

Number: 041

Pressure Base: 14.730

Contract Day: 1

Name: BISMARCK STN-GLEN ULLIN STN

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.6852           | 1132.7            | 1152.8            | 1149.8               | 0.443 | 3.319 | 75.207 | 19.162 | 1.746 | 0.043 | 0.072 | 0.004 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.41 |
| 2   | 0.6827           | 1129.3            | 1149.3            | 1146.2               | 0.554 | 3.125 | 75.859 | 18.593 | 1.754 | 0.041 | 0.068 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.68 |
| 3   | 0.6842           | 1130.5            | 1150.6            | 1147.5               | 0.594 | 3.124 | 75.906 | 18.227 | 2.012 | 0.049 | 0.080 | 0.004 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.72 |
| 4   | 0.6847           | 1129.6            | 1149.6            | 1146.5               | 0.570 | 3.264 | 75.775 | 18.230 | 2.016 | 0.051 | 0.085 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.07 |
| 5   | 0.6955           | 1136.4            | 1156.5            | 1153.4               | 0.565 | 3.875 | 74.121 | 18.696 | 2.529 | 0.070 | 0.131 | 0.007 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1383.51 |
| 6   | 0.7321           | 1161.1            | 1181.7            | 1178.4               | 0.880 | 5.320 | 69.149 | 19.757 | 4.435 | 0.135 | 0.293 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.89 |
| 7   | 0.7402           | 1165.9            | 1186.5            | 1183.2               | 0.911 | 5.742 | 67.971 | 20.019 | 4.849 | 0.148 | 0.325 | 0.017 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.79 |
| 8   | 0.6738           | 1116.3            | 1136.0            | 1133.0               | 0.645 | 2.944 | 77.300 | 17.712 | 1.317 | 0.027 | 0.051 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.79 |
| 9   | 0.6804           | 1126.5            | 1146.4            | 1143.3               | 0.507 | 3.153 | 76.124 | 18.487 | 1.626 | 0.037 | 0.061 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1386.56 |
| 10  | 0.6753           | 1118.3            | 1138.1            | 1135.0               | 0.638 | 2.970 | 77.284 | 17.411 | 1.600 | 0.036 | 0.057 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.73 |
| 11  | 0.6680           | 1109.2            | 1128.9            | 1125.8               | 0.725 | 2.709 | 78.555 | 16.645 | 1.282 | 0.029 | 0.050 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.91 |
| 12  | 0.6735           | 1118.9            | 1138.7            | 1135.6               | 0.563 | 2.879 | 77.350 | 17.744 | 1.384 | 0.028 | 0.047 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.28 |
| 13  | 0.6791           | 1124.4            | 1144.3            | 1141.2               | 0.561 | 3.076 | 76.442 | 18.197 | 1.625 | 0.035 | 0.058 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.31 |
| 14  | 0.6852           | 1133.1            | 1153.2            | 1150.1               | 0.500 | 3.208 | 75.516 | 18.683 | 1.970 | 0.044 | 0.073 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.83 |
| 15  | 0.6933           | 1145.0            | 1165.3            | 1162.1               | 0.450 | 3.321 | 74.274 | 19.450 | 2.321 | 0.062 | 0.110 | 0.007 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.15 |
| 16  | 0.6886           | 1137.3            | 1157.4            | 1154.3               | 0.317 | 3.555 | 74.752 | 19.104 | 2.154 | 0.044 | 0.070 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.47 |
| 17  | 0.6908           | 1138.4            | 1158.6            | 1155.4               | 0.428 | 3.516 | 74.494 | 19.243 | 2.188 | 0.048 | 0.078 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.72 |
| 18  | 0.6896           | 1138.6            | 1158.8            | 1155.6               | 0.435 | 3.389 | 74.639 | 19.322 | 2.089 | 0.046 | 0.074 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.07 |
| 19  | 0.6907           | 1140.4            | 1160.6            | 1157.4               | 0.321 | 3.550 | 74.245 | 19.709 | 2.051 | 0.045 | 0.073 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.25 |
| 20  | 0.6801           | 1124.3            | 1144.2            | 1141.1               | 0.492 | 3.275 | 76.414 | 17.841 | 1.870 | 0.040 | 0.064 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.25 |
| 21  | 0.6740           | 1118.1            | 1137.9            | 1134.6               | 0.482 | 3.100 | 77.315 | 17.465 | 1.550 | 0.031 | 0.051 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1382.73 |
| 22  | 0.6675           | 1112.3            | 1132.0            | 1128.8               | 0.581 | 2.688 | 78.502 | 16.885 | 1.269 | 0.026 | 0.044 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1382.31 |
| 23  | 0.6605           | 1101.3            | 1120.8            | 1117.9               | 0.644 | 2.605 | 79.882 | 15.606 | 1.195 | 0.024 | 0.040 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.01 |
| 24  | 0.7121           | 1142.9            | 1163.1            | 1159.9               | 0.760 | 4.734 | 72.399 | 17.974 | 3.703 | 0.135 | 0.275 | 0.011 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.50 |
| 25  | 0.6767           | 1110.3            | 1130.0            | 1127.1               | 0.861 | 3.244 | 78.006 | 15.484 | 2.164 | 0.070 | 0.153 | 0.009 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1370.83 |
| 26  | 0.7172           | 1149.7            | 1170.0            | 1166.9               | 0.859 | 4.648 | 71.630 | 18.619 | 3.754 | 0.132 | 0.313 | 0.022 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.79 |
| 27  | 0.7454           | 1178.4            | 1199.2            | 1195.4               | 0.873 | 5.521 | 67.326 | 20.717 | 4.904 | 0.176 | 0.422 | 0.029 | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.62 |
| 28  | 0.7141           | 1149.0            | 1169.4            | 1166.5               | 0.883 | 4.367 | 72.105 | 18.548 | 3.620 | 0.130 | 0.303 | 0.020 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.20 |
| 29  | 0.6481           | 1082.7            | 1101.9            | 1101.2               | 0.945 | 2.130 | 81.971 | 14.151 | 0.765 | 0.013 | 0.020 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1366.72 |
| 30  | 0.6468           | 1080.2            | 1099.4            | 1098.6               | 0.951 | 2.152 | 82.179 | 13.962 | 0.721 | 0.012 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1364.97 |
| Avg | 0.6878           | 1129.0            | 1149.4            | 1146.4               | 0.631 | 3.483 | 75.423 | 18.055 | 2.215 | 0.060 | 0.119 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1382.90 |

# Source Daily Summary

April 2020

Number: 271

Pressure Base: 14.730

Contract Day: 1

Name: DCKSN BRD-BLFD TSF-G.U. STN

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.6896           | 1138.4            | 1158.6            | 1155.7               | 0.407 | 3.436 | 74.557 | 19.445 | 2.020 | 0.049 | 0.082 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.98 |
| 2   | 0.6923           | 1143.0            | 1163.2            | 1160.4               | 0.455 | 3.338 | 74.360 | 19.417 | 2.275 | 0.055 | 0.094 | 0.004 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.83 |
| 3   | 0.6865           | 1133.5            | 1153.6            | 1150.7               | 0.463 | 3.364 | 75.396 | 18.485 | 2.146 | 0.052 | 0.088 | 0.004 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.01 |
| 4   | 0.6810           | 1126.3            | 1146.2            | 1143.4               | 0.466 | 3.281 | 76.181 | 18.122 | 1.823 | 0.046 | 0.076 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1385.78 |
| 5   | 0.6847           | 1136.8            | 1156.9            | 1154.0               | 0.230 | 3.348 | 74.828 | 19.963 | 1.542 | 0.034 | 0.054 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.95 |
| 6   | 0.6872           | 1138.7            | 1158.9            | 1156.0               | 0.283 | 3.389 | 74.543 | 19.974 | 1.705 | 0.040 | 0.064 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.71 |
| 7   | 0.6861           | 1145.5            | 1165.8            | 1162.9               | 0.096 | 3.160 | 73.773 | 21.955 | 0.970 | 0.018 | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1404.19 |
| 8   | 0.6908           | 1141.0            | 1161.2            | 1158.3               | 0.312 | 3.544 | 74.239 | 19.698 | 2.072 | 0.050 | 0.081 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.82 |
| 9   | 0.6945           | 1145.3            | 1165.6            | 1162.7               | 0.357 | 3.553 | 73.662 | 20.119 | 2.154 | 0.056 | 0.094 | 0.003 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.45 |
| 10  | 0.6900           | 1144.5            | 1164.7            | 1161.8               | 0.250 | 3.346 | 73.904 | 20.743 | 1.658 | 0.037 | 0.061 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1399.00 |
| 11  | 0.6911           | 1143.8            | 1164.0            | 1161.1               | 0.279 | 3.452 | 73.968 | 20.265 | 1.924 | 0.042 | 0.069 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1396.94 |
| 12  | 0.6915           | 1141.5            | 1161.7            | 1158.8               | 0.348 | 3.521 | 74.086 | 19.884 | 2.039 | 0.045 | 0.075 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.79 |
| 13  | 0.6941           | 1145.0            | 1165.3            | 1162.4               | 0.371 | 3.515 | 73.767 | 20.007 | 2.206 | 0.050 | 0.082 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.48 |
| 14  | 0.6993           | 1153.4            | 1173.8            | 1170.9               | 0.372 | 3.485 | 73.213 | 20.174 | 2.550 | 0.069 | 0.125 | 0.007 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1400.48 |
| 15  | 0.6906           | 1140.5            | 1160.7            | 1157.8               | 0.291 | 3.576 | 74.458 | 19.266 | 2.287 | 0.047 | 0.074 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.54 |
| 16  | 0.6914           | 1140.2            | 1160.4            | 1157.5               | 0.346 | 3.592 | 74.323 | 19.340 | 2.274 | 0.048 | 0.076 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.34 |
| 17  | 0.6927           | 1143.8            | 1164.1            | 1161.1               | 0.318 | 3.533 | 73.954 | 19.897 | 2.171 | 0.048 | 0.077 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.45 |
| 18  | 0.6890           | 1138.5            | 1158.6            | 1155.7               | 0.302 | 3.539 | 74.538 | 19.462 | 2.043 | 0.044 | 0.070 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.61 |
| 19  | 0.6864           | 1133.8            | 1153.9            | 1151.0               | 0.283 | 3.602 | 75.117 | 18.767 | 2.115 | 0.044 | 0.070 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.60 |
| 20  | 0.6860           | 1137.3            | 1157.4            | 1154.5               | 0.197 | 3.497 | 74.786 | 19.596 | 1.833 | 0.037 | 0.056 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.14 |
| 21  | 0.6837           | 1133.4            | 1153.5            | 1150.5               | 0.209 | 3.489 | 75.230 | 19.201 | 1.776 | 0.037 | 0.057 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.82 |
| 22  | 0.6763           | 1126.5            | 1146.5            | 1143.5               | 0.076 | 3.424 | 76.208 | 18.769 | 1.486 | 0.017 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.83 |
| 23  | 0.6790           | 1132.3            | 1152.3            | 1149.4               | 0.058 | 3.351 | 75.650 | 19.425 | 1.475 | 0.018 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.20 |
| 24  | 0.6757           | 1125.2            | 1145.1            | 1142.1               | 0.067 | 3.461 | 76.371 | 18.526 | 1.537 | 0.017 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.81 |
| 25  | 0.6776           | 1129.6            | 1149.6            | 1146.6               | 0.061 | 3.382 | 75.930 | 19.106 | 1.481 | 0.018 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.29 |
| 26  | 0.6564           | 1097.5            | 1116.9            | 1114.0               | 0.590 | 2.538 | 80.520 | 15.232 | 1.082 | 0.016 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.34 |
| 27  | 0.6510           | 1088.3            | 1107.6            | 1104.7               | 0.917 | 2.093 | 81.779 | 14.334 | 0.832 | 0.018 | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1369.51 |
| 28  | 0.6503           | 1087.7            | 1107.0            | 1104.1               | 0.893 | 2.103 | 81.894 | 14.236 | 0.826 | 0.021 | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1369.47 |
| 29  | 0.6484           | 1084.3            | 1103.5            | 1100.5               | 0.917 | 2.088 | 82.202 | 14.026 | 0.734 | 0.014 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1367.26 |
| 30  | 0.6480           | 1083.4            | 1102.6            | 1099.6               | 0.914 | 2.110 | 82.237 | 14.008 | 0.700 | 0.013 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1366.56 |
| Avg | 0.6814           | 1130.0            | 1150.0            | 1147.1               | 0.371 | 3.237 | 75.856 | 18.715 | 1.724 | 0.037 | 0.059 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.91 |

# Source Daily Summary

April 2020

Number: 051

Pressure Base: 14.730

Contract Day: 1

Name: CABIN CRK STN-BELFIELD TRSFR

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.6919           | 1139.6            | 1159.8            | 1156.4               | 0.710 | 3.124 | 74.846 | 18.817 | 2.302 | 0.069 | 0.118 | 0.007 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.98 |
| 2   | 0.6914           | 1136.8            | 1157.0            | 1153.6               | 0.574 | 3.449 | 75.088 | 18.057 | 2.632 | 0.070 | 0.118 | 0.006 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.14 |
| 3   | 0.6830           | 1124.2            | 1144.1            | 1140.9               | 0.499 | 3.540 | 76.257 | 17.299 | 2.244 | 0.057 | 0.095 | 0.005 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.20 |
| 4   | 0.6837           | 1124.1            | 1144.0            | 1140.5               | 0.462 | 3.672 | 76.107 | 17.313 | 2.278 | 0.060 | 0.099 | 0.005 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.29 |
| 5   | 0.6793           | 1123.9            | 1143.8            | 1139.9               | 0.995 | 2.453 | 77.251 | 17.371 | 1.738 | 0.064 | 0.112 | 0.008 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.61 |
| 6   | 0.6836           | 1129.6            | 1149.6            | 1145.7               | 1.079 | 2.389 | 76.560 | 17.974 | 1.780 | 0.072 | 0.127 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.13 |
| 7   | 0.6728           | 1115.2            | 1134.9            | 1131.0               | 0.998 | 2.373 | 78.152 | 16.927 | 1.411 | 0.046 | 0.081 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1380.47 |
| 8   | 0.6719           | 1113.7            | 1133.4            | 1129.5               | 1.006 | 2.367 | 78.280 | 16.858 | 1.351 | 0.046 | 0.080 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.57 |
| 9   | 0.6682           | 1109.8            | 1129.4            | 1125.5               | 0.992 | 2.288 | 78.894 | 16.442 | 1.264 | 0.040 | 0.070 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.39 |
| 10  | 0.6674           | 1108.4            | 1128.0            | 1124.1               | 0.988 | 2.300 | 79.050 | 16.282 | 1.264 | 0.039 | 0.067 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.55 |
| 11  | 0.6695           | 1111.6            | 1131.2            | 1127.3               | 1.004 | 2.277 | 78.772 | 16.467 | 1.343 | 0.045 | 0.080 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.33 |
| 12  | 0.6672           | 1108.9            | 1128.6            | 1124.7               | 0.999 | 2.232 | 79.218 | 16.097 | 1.316 | 0.046 | 0.081 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.41 |
| 13  | 0.6664           | 1107.8            | 1127.4            | 1123.5               | 0.988 | 2.238 | 79.360 | 15.972 | 1.306 | 0.045 | 0.079 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.87 |
| 14  | 0.6926           | 1141.7            | 1161.9            | 1157.9               | 0.481 | 3.408 | 74.643 | 18.716 | 2.589 | 0.059 | 0.097 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.87 |
| 15  | 0.6781           | 1122.6            | 1142.4            | 1138.5               | 0.773 | 2.767 | 77.201 | 17.286 | 1.832 | 0.049 | 0.083 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1384.13 |
| 16  | 0.6674           | 1108.7            | 1128.3            | 1124.4               | 0.961 | 2.318 | 79.134 | 16.121 | 1.332 | 0.044 | 0.078 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.96 |
| 17  | 0.6677           | 1109.8            | 1129.4            | 1125.4               | 0.959 | 2.290 | 79.089 | 16.170 | 1.360 | 0.044 | 0.077 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1378.91 |
| 18  | 0.6716           | 1114.9            | 1134.7            | 1130.6               | 1.047 | 2.201 | 78.633 | 16.452 | 1.491 | 0.058 | 0.102 | 0.008 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1381.34 |
| 19  | 0.6665           | 1107.9            | 1127.5            | 1123.5               | 0.991 | 2.244 | 79.230 | 16.170 | 1.245 | 0.040 | 0.069 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.80 |
| 20  | 0.6648           | 1105.7            | 1125.3            | 1121.3               | 0.976 | 2.238 | 79.529 | 15.926 | 1.217 | 0.038 | 0.066 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.87 |
| 21  | 0.6661           | 1107.2            | 1126.8            | 1122.7               | 1.001 | 2.229 | 79.403 | 15.959 | 1.272 | 0.045 | 0.081 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.42 |
| 22  | 0.6629           | 1104.5            | 1124.0            | 1119.9               | 1.008 | 2.083 | 80.125 | 15.352 | 1.282 | 0.049 | 0.088 | 0.007 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.31 |
| 23  | 0.6620           | 1103.5            | 1123.0            | 1119.3               | 1.013 | 2.051 | 80.354 | 15.115 | 1.310 | 0.051 | 0.091 | 0.007 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1377.00 |
| 24  | 0.6618           | 1103.2            | 1122.7            | 1119.3               | 0.996 | 2.076 | 80.343 | 15.141 | 1.294 | 0.050 | 0.087 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.85 |
| 25  | 0.6576           | 1097.4            | 1116.9            | 1113.6               | 0.936 | 2.125 | 81.003 | 14.594 | 1.215 | 0.042 | 0.073 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.02 |
| 26  | 0.6618           | 1102.2            | 1121.7            | 1118.5               | 0.976 | 2.171 | 80.062 | 15.540 | 1.148 | 0.035 | 0.060 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.59 |
| 27  | 0.6630           | 1103.1            | 1122.7            | 1119.4               | 0.946 | 2.272 | 79.788 | 15.734 | 1.148 | 0.038 | 0.064 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1375.53 |
| 28  | 0.6627           | 1104.0            | 1123.5            | 1120.3               | 0.966 | 2.161 | 79.892 | 15.719 | 1.150 | 0.039 | 0.064 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1376.92 |
| 29  | 0.6617           | 1101.3            | 1120.8            | 1117.6               | 0.991 | 2.198 | 79.990 | 15.657 | 1.067 | 0.032 | 0.056 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.55 |
| 30  | 0.6624           | 1101.6            | 1121.1            | 1117.9               | 0.999 | 2.221 | 79.895 | 15.704 | 1.078 | 0.035 | 0.060 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.36 |
| Avg | 0.6709           | 1113.0            | 1132.8            | 1129.1               | 0.911 | 2.459 | 78.538 | 16.441 | 1.509 | 0.048 | 0.083 | 0.006 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1379.78 |

Zone 32

# Source Daily Summary

April 2020

Number: 111

Pressure Base: 14.730

Contract Day: 1

Name: LITTLE KNIFE PLANT

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe   | CCT    |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| 1   | 0.6832           | 1149.0            | 1169.4            | 1165.0               | 0.000 | 2.826 | 73.813 | 22.816 | 0.530 | 0.006 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.44 | -28.17 |
| 2   | 0.6858           | 1152.7            | 1173.2            | 1168.7               | 0.000 | 2.844 | 73.333 | 23.225 | 0.582 | 0.006 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1413.32 | -26.65 |
| 3   | 0.6867           | 1151.8            | 1172.2            | 1167.5               | 0.000 | 2.980 | 73.170 | 23.228 | 0.607 | 0.006 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.30 | -26.44 |
| 4   | 0.6883           | 1153.7            | 1174.2            | 1169.8               | 0.000 | 3.012 | 72.853 | 23.497 | 0.622 | 0.006 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.04 | -25.64 |
| 5   | 0.6881           | 1153.1            | 1173.6            | 1169.1               | 0.000 | 3.031 | 72.898 | 23.428 | 0.627 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.47 | -25.78 |
| 6   | 0.6883           | 1153.7            | 1174.1            | 1169.7               | 0.000 | 3.016 | 72.868 | 23.465 | 0.635 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.94 | -25.61 |
| 7   | 0.6884           | 1153.5            | 1173.9            | 1169.7               | 0.000 | 3.042 | 72.833 | 23.472 | 0.636 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.55 | -25.58 |
| 8   | 0.6880           | 1152.9            | 1173.4            | 1169.4               | 0.000 | 3.039 | 72.908 | 23.417 | 0.608 | 0.009 | 0.016 | 0.001 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.28 | -25.63 |
| 9   | 0.6875           | 1152.9            | 1173.3            | 1168.9               | 0.000 | 2.991 | 73.026 | 23.339 | 0.622 | 0.008 | 0.014 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.81 | -25.84 |
| 10  | 0.6871           | 1152.5            | 1172.9            | 1168.5               | 0.000 | 2.978 | 73.090 | 23.300 | 0.616 | 0.006 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.71 | -26.19 |
| 11  | 0.6869           | 1152.0            | 1172.4            | 1168.0               | 0.000 | 2.994 | 73.095 | 23.304 | 0.591 | 0.006 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.26 | -26.39 |
| 12  | 0.6872           | 1152.2            | 1172.6            | 1168.4               | 0.000 | 3.006 | 73.028 | 23.363 | 0.588 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.28 | -26.27 |
| 13  | 0.6872           | 1152.0            | 1172.4            | 1168.0               | 0.000 | 3.020 | 73.026 | 23.357 | 0.582 | 0.006 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1410.98 | -26.34 |
| 14  | 0.6876           | 1153.1            | 1173.5            | 1168.7               | 0.000 | 2.991 | 72.975 | 23.402 | 0.615 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.92 | -25.93 |
| 15  | 0.6866           | 1151.6            | 1172.0            | 1167.6               | 0.014 | 2.962 | 73.211 | 23.185 | 0.610 | 0.007 | 0.010 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.16 | -26.41 |
| 16  | 0.6864           | 1151.6            | 1172.0            | 1167.5               | 0.000 | 2.963 | 73.232 | 23.178 | 0.610 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.39 | -26.53 |
| 17  | 0.6870           | 1153.0            | 1173.4            | 1169.1               | 0.000 | 2.939 | 73.137 | 23.266 | 0.641 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.42 | -26.03 |
| 18  | 0.6871           | 1153.4            | 1173.8            | 1169.5               | 0.000 | 2.925 | 73.106 | 23.323 | 0.629 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.79 | -25.99 |
| 19  | 0.6878           | 1154.2            | 1174.7            | 1170.5               | 0.000 | 2.936 | 72.986 | 23.417 | 0.643 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1413.13 | -25.63 |
| 20  | 0.6873           | 1154.8            | 1175.3            | 1171.0               | 0.000 | 2.855 | 73.100 | 23.382 | 0.646 | 0.007 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1414.35 | -25.68 |
| 21  | 0.6867           | 1155.4            | 1175.9            | 1171.6               | 0.000 | 2.760 | 73.235 | 23.349 | 0.639 | 0.007 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1415.73 | -25.80 |
| 22  | 0.6877           | 1156.7            | 1177.1            | 1172.9               | 0.000 | 2.779 | 73.043 | 23.503 | 0.656 | 0.007 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1416.21 | -25.26 |
| 23  | 0.6890           | 1158.4            | 1178.9            | 1174.6               | 0.000 | 2.791 | 72.879 | 23.564 | 0.745 | 0.008 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1417.05 | -24.30 |
| 24  | 0.6894           | 1159.3            | 1179.8            | 1175.5               | 0.000 | 2.781 | 72.835 | 23.571 | 0.791 | 0.008 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1417.62 | -23.89 |
| 25  | 0.6894           | 1158.8            | 1179.3            | 1175.1               | 0.000 | 2.814 | 72.805 | 23.590 | 0.770 | 0.009 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1416.99 | -24.02 |
| 26  | 0.6888           | 1157.9            | 1178.4            | 1174.0               | 0.000 | 2.805 | 72.928 | 23.481 | 0.765 | 0.008 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1416.61 | -24.35 |
| 27  | 0.6893           | 1158.7            | 1179.2            | 1174.9               | 0.000 | 2.809 | 72.831 | 23.560 | 0.780 | 0.008 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1417.02 | -24.03 |
| 28  | 0.6892           | 1158.6            | 1179.1            | 1175.0               | 0.000 | 2.804 | 72.831 | 23.590 | 0.754 | 0.008 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1417.01 | -24.16 |
| 29  | 0.6890           | 1158.2            | 1178.8            | 1174.5               | 0.000 | 2.807 | 72.919 | 23.452 | 0.799 | 0.009 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1416.77 | -24.10 |
| 30  | 0.6891           | 1159.1            | 1179.6            | 1175.3               | 0.000 | 2.761 | 72.964 | 23.401 | 0.849 | 0.009 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1417.74 | -23.77 |
| Avg | 0.6877           | 1155.0            | 1174.9            | 1170.6               | 0.000 | 2.909 | 73.032 | 23.381 | 0.660 | 0.007 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1413.58 | -25.55 |

Zone 33

# Source Daily Summary

April 2020

Number: 351

Pressure Base: 14.730

Contract Day: 1

Name: BADLANDS PLANT

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe | CCT     |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 1   | 0.5762           | 969.4             | 986.5             | 984.0                | 0.148 | 3.468 | 95.366 | 0.892  | 0.103 | 0.013 | 0.009 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1296.60 |
| 2   | 0.6271           | 1036.3            | 1054.6            | 1051.9               | 0.310 | 3.936 | 86.156 | 8.426  | 1.070 | 0.038 | 0.056 | 0.004 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1328.45 |
| 3   | 0.6633           | 1090.1            | 1109.4            | 1106.5               | 0.457 | 3.828 | 79.777 | 13.972 | 1.805 | 0.057 | 0.092 | 0.006 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1358.99 |
| 4   | 0.6668           | 1096.5            | 1115.9            | 1112.9               | 0.467 | 3.750 | 79.179 | 14.548 | 1.894 | 0.058 | 0.094 | 0.006 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1363.37 |
| 5   | 0.6550           | 1081.2            | 1100.3            | 1097.3               | 0.380 | 3.717 | 81.221 | 12.868 | 1.678 | 0.049 | 0.079 | 0.005 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1356.22 |
| 6   | 0.6373           | 1058.2            | 1076.9            | 1073.9               | 0.604 | 3.108 | 84.517 | 10.600 | 1.050 | 0.042 | 0.068 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1345.81 |
| 7   | 0.6281           | 1046.1            | 1064.6            | 1061.6               | 0.607 | 2.978 | 86.142 | 9.352  | 0.822 | 0.035 | 0.055 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1340.12 |
| 8   | 0.6334           | 1054.0            | 1072.7            | 1069.7               | 0.645 | 2.936 | 85.269 | 10.073 | 0.966 | 0.040 | 0.062 | 0.005 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1344.62 |
| 9   | 0.6431           | 1067.7            | 1086.6            | 1083.6               | 0.717 | 2.898 | 83.589 | 11.536 | 1.118 | 0.048 | 0.080 | 0.007 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1351.86 |
| 10  | 0.6368           | 1059.3            | 1078.1            | 1075.0               | 0.678 | 2.888 | 84.494 | 10.955 | 0.892 | 0.033 | 0.052 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1347.74 |
| 11  | 0.6268           | 1045.1            | 1063.6            | 1060.8               | 0.598 | 2.928 | 86.252 | 9.428  | 0.720 | 0.027 | 0.041 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1340.27 |
| 12  | 0.5889           | 988.7             | 1006.2            | 1003.6               | 0.264 | 3.306 | 93.056 | 3.106  | 0.239 | 0.014 | 0.012 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1308.12 |
| 13  | 0.5753           | 968.7             | 985.8             | 983.3                | 0.144 | 3.428 | 95.495 | 0.863  | 0.057 | 0.009 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1296.74 |
| 14  | 0.5757           | 968.9             | 986.0             | 983.5                | 0.147 | 3.452 | 95.407 | 0.919  | 0.061 | 0.009 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1296.54 |
| 15  | 0.5722           | 963.0             | 980.0             | 977.5                | 0.112 | 3.538 | 96.019 | 0.309  | 0.014 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1292.56 |
| 16  | 0.5721           | 963.3             | 980.3             | 977.7                | 0.112 | 3.508 | 96.049 | 0.308  | 0.015 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1293.09 |
| 17  | 0.5910           | 990.0             | 1007.5            | 1004.7               | 0.277 | 3.410 | 92.638 | 3.391  | 0.252 | 0.015 | 0.014 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1307.24 |
| 18  | 0.6344           | 1055.1            | 1073.7            | 1070.8               | 0.683 | 2.910 | 85.092 | 10.252 | 0.948 | 0.040 | 0.064 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1344.77 |
| 19  | 0.6385           | 1062.9            | 1081.7            | 1078.7               | 0.729 | 2.738 | 84.586 | 10.685 | 1.107 | 0.053 | 0.088 | 0.007 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1350.61 |
| 20  | 0.6346           | 1056.6            | 1075.4            | 1072.3               | 0.690 | 2.821 | 85.223 | 10.086 | 1.035 | 0.050 | 0.082 | 0.007 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1346.68 |
| 21  | 0.5970           | 1000.8            | 1018.5            | 1015.6               | 0.344 | 3.205 | 91.722 | 4.268  | 0.403 | 0.023 | 0.029 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1315.04 |
| 22  | 0.5744           | 966.7             | 983.8             | 981.1                | 0.135 | 3.479 | 95.649 | 0.676  | 0.049 | 0.010 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1295.13 |
| 23  | 0.5744           | 965.8             | 983.0             | 980.3                | 0.130 | 3.537 | 95.636 | 0.640  | 0.045 | 0.009 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1293.99 |
| 24  | 0.6282           | 1043.8            | 1062.3            | 1059.4               | 0.135 | 3.842 | 85.768 | 9.041  | 1.160 | 0.021 | 0.030 | 0.001 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1336.48 |
| 25  | 0.6728           | 1110.0            | 1129.7            | 1126.4               | 0.278 | 3.780 | 77.814 | 15.974 | 2.032 | 0.039 | 0.072 | 0.005 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1374.06 |
| 26  | 0.6471           | 1071.0            | 1090.0            | 1086.8               | 0.243 | 3.799 | 82.511 | 11.781 | 1.564 | 0.034 | 0.059 | 0.004 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1351.73 |
| 27  | 0.6101           | 1018.6            | 1036.6            | 1033.6               | 0.460 | 3.186 | 89.244 | 6.544  | 0.511 | 0.022 | 0.029 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1323.88 |
| 28  | 0.5991           | 1001.9            | 1019.6            | 1016.7               | 0.381 | 3.291 | 91.282 | 4.603  | 0.391 | 0.021 | 0.027 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1314.06 |
| 29  | 0.6264           | 1046.0            | 1064.6            | 1061.4               | 0.641 | 2.766 | 86.375 | 9.455  | 0.694 | 0.026 | 0.038 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1341.96 |
| 30  | 0.6281           | 1048.0            | 1066.5            | 1063.3               | 0.643 | 2.805 | 86.017 | 9.778  | 0.684 | 0.027 | 0.038 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1342.63 |
| Avg | 0.6178           | 1030.0            | 1048.0            | 1045.1               | 0.405 | 3.308 | 87.918 | 7.511  | 0.779 | 0.029 | 0.043 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1329.98 |

Zone 34

# Source Daily Summary

April 2020

Number: 471

Pressure Base: 14.730

Contract Day:

Name: SPRING CREEK I - SAX VALVE I

Temperature Base:

Contract Hour: 9

| Day | Relative Density | Heating Value Wet | Heating Value Dry | Heating Value As Del | CO2   | N2    | C1     | C2     | C3    | IC4   | NC4   | IC5   | NC5   | C6    | C7    | C8    | C9    | C10   | Wobbe   | CCT    |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| 1   | 0.6918           | 1142.5            | 1162.7            | 1159.8               | 1.063 | 2.410 | 73.438 | 22.271 | 0.811 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.75 | -25.01 |
| 2   | 0.6912           | 1141.5            | 1161.7            | 1158.8               | 1.065 | 2.411 | 73.530 | 22.207 | 0.780 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1394.15 | -25.43 |
| 3   | 0.6907           | 1140.4            | 1160.6            | 1157.7               | 1.065 | 2.427 | 73.629 | 22.099 | 0.773 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.37 | -25.76 |
| 4   | 0.6909           | 1140.8            | 1161.0            | 1158.1               | 1.070 | 2.415 | 73.542 | 22.251 | 0.713 | 0.004 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.63 | -25.83 |
| 5   | 0.6909           | 1140.7            | 1160.9            | 1158.0               | 1.070 | 2.424 | 73.569 | 22.177 | 0.751 | 0.004 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.48 | -25.70 |
| 6   | 0.6892           | 1138.6            | 1158.7            | 1155.8               | 1.069 | 2.397 | 73.773 | 22.148 | 0.608 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.58 | -27.06 |
| 7   | 0.6894           | 1138.8            | 1159.0            | 1156.1               | 1.069 | 2.402 | 73.758 | 22.125 | 0.639 | 0.003 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.65 | -26.84 |
| 8   | 0.6891           | 1137.9            | 1158.1            | 1155.2               | 1.077 | 2.419 | 73.756 | 22.165 | 0.578 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.84 | -27.29 |
| 9   | 0.6895           | 1138.7            | 1158.8            | 1155.9               | 1.074 | 2.414 | 73.661 | 22.285 | 0.562 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.38 | -27.13 |
| 10  | 0.6886           | 1137.1            | 1157.2            | 1154.3               | 1.073 | 2.424 | 73.844 | 22.099 | 0.555 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.35 | -27.68 |
| 11  | 0.6893           | 1138.1            | 1158.3            | 1155.4               | 1.077 | 2.418 | 73.710 | 22.233 | 0.558 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.97 | -27.30 |
| 12  | 0.6892           | 1138.0            | 1158.1            | 1155.2               | 1.073 | 2.427 | 73.710 | 22.238 | 0.548 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1391.85 | -27.38 |
| 13  | 0.6941           | 1145.0            | 1165.3            | 1162.4               | 1.071 | 2.462 | 73.248 | 22.132 | 1.063 | 0.010 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1395.48 | -22.87 |
| 14  | 0.6904           | 1139.2            | 1159.3            | 1156.4               | 1.076 | 2.460 | 73.578 | 22.233 | 0.640 | 0.006 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1392.12 | -26.44 |
| 15  | 0.6871           | 1134.4            | 1154.5            | 1151.6               | 1.074 | 2.446 | 73.977 | 22.109 | 0.390 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.60 | -29.11 |
| 16  | 0.6875           | 1135.3            | 1155.4            | 1152.4               | 1.072 | 2.441 | 73.867 | 22.241 | 0.376 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.19 | -28.90 |
| 17  | 0.6871           | 1134.8            | 1154.9            | 1152.0               | 1.070 | 2.428 | 73.960 | 22.159 | 0.380 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.11 | -29.08 |
| 18  | 0.6877           | 1135.3            | 1155.4            | 1152.5               | 1.070 | 2.455 | 73.838 | 22.250 | 0.384 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.10 | -28.81 |
| 19  | 0.6876           | 1135.2            | 1155.3            | 1152.4               | 1.070 | 2.448 | 73.872 | 22.217 | 0.389 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.12 | -28.85 |
| 20  | 0.6880           | 1135.9            | 1156.0            | 1153.0               | 1.070 | 2.451 | 73.787 | 22.294 | 0.393 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.44 | -28.61 |
| 21  | 0.6909           | 1140.8            | 1161.0            | 1158.0               | 1.061 | 2.438 | 73.737 | 21.826 | 0.918 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1393.43 | -25.39 |
| 22  | 0.6859           | 1133.2            | 1153.3            | 1150.4               | 1.066 | 2.421 | 74.075 | 22.187 | 0.249 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1389.34 | -30.19 |
| 23  | 0.6850           | 1131.7            | 1151.7            | 1148.8               | 1.062 | 2.436 | 74.245 | 22.014 | 0.241 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.35 | -30.72 |
| 24  | 0.6848           | 1131.3            | 1151.3            | 1148.4               | 1.070 | 2.433 | 74.278 | 21.981 | 0.236 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.05 | -30.83 |
| 25  | 0.6850           | 1131.4            | 1151.4            | 1148.5               | 1.067 | 2.444 | 74.242 | 22.013 | 0.232 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.02 | -30.80 |
| 26  | 0.6845           | 1130.4            | 1150.4            | 1147.6               | 1.068 | 2.455 | 74.330 | 21.923 | 0.222 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.34 | -31.13 |
| 27  | 0.6842           | 1130.1            | 1150.1            | 1147.2               | 1.069 | 2.444 | 74.405 | 21.850 | 0.232 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.26 | -31.26 |
| 28  | 0.6851           | 1131.9            | 1151.9            | 1149.0               | 1.070 | 2.420 | 74.266 | 21.967 | 0.276 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1388.51 | -30.53 |
| 29  | 0.6846           | 1130.8            | 1150.8            | 1147.9               | 1.072 | 2.434 | 74.327 | 21.940 | 0.226 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.72 | -31.03 |
| 30  | 0.6846           | 1130.5            | 1150.5            | 1147.6               | 1.071 | 2.459 | 74.290 | 21.972 | 0.207 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1387.28 | -31.14 |
| Avg | 0.6881           | 1136.0            | 1156.5            | 1153.6               | 1.070 | 2.432 | 73.875 | 22.120 | 0.498 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1390.91 | -28.14 |

Zone 43

April-20

ZONE 550

MANDAN BORDER

|            |           | NBPL - St Anthony |    |         | WBI - Mandan Border |         |                | Weighted   |           |
|------------|-----------|-------------------|----|---------|---------------------|---------|----------------|------------|-----------|
| Start Date | End Date  | MCF               | DK | BTU     | MCF                 | DK      | BTU<br>Zone 28 | AVG<br>BTU |           |
| 4/1/2020   | 4/2/2020  |                   |    |         | 5352                | 6164    | 1.1528         | 1.153      | 4/1/2020  |
| 4/2/2020   | 4/3/2020  |                   |    |         | 6490                | 7459    | 1.1493         | 1.149      | 4/2/2020  |
| 4/3/2020   | 4/4/2020  |                   |    |         | 5020                | 5773    | 1.1506         | 1.151      | 4/3/2020  |
| 4/4/2020   | 4/5/2020  |                   |    |         | 3972                | 4567    | 1.1496         | 1.150      | 4/4/2020  |
| 4/5/2020   | 4/6/2020  |                   |    |         | 3288                | 3803    | 1.1565         | 1.157      | 4/5/2020  |
| 4/6/2020   | 4/7/2020  |                   |    |         | 2210                | 2609    | 1.1817         | 1.182      | 4/6/2020  |
| 4/7/2020   | 4/8/2020  |                   |    |         | 2340                | 2776    | 1.1865         | 1.187      | 4/7/2020  |
| 4/8/2020   | 4/9/2020  |                   |    |         | 3865                | 4402    | 1.1360         | 1.136      | 4/8/2020  |
| 4/9/2020   | 4/10/2020 |                   |    |         | 3959                | 4536    | 1.1464         | 1.146      | 4/9/2020  |
| 4/10/2020  | 4/11/2020 |                   |    |         | 2561                | 2914    | 1.1381         | 1.138      | 4/10/2020 |
| 4/11/2020  | 4/12/2020 |                   |    |         | 4037                | 4560    | 1.1289         | 1.129      | 4/11/2020 |
| 4/12/2020  | 4/13/2020 |                   |    |         | 4548                | 5177    | 1.1387         | 1.139      | 4/12/2020 |
| 4/13/2020  | 4/14/2020 |                   |    |         | 5498                | 6293    | 1.1443         | 1.144      | 4/13/2020 |
| 4/14/2020  | 4/15/2020 |                   |    |         | 4605                | 5312    | 1.1532         | 1.153      | 4/14/2020 |
| 4/15/2020  | 4/16/2020 |                   |    |         | 3907                | 4554    | 1.1653         | 1.165      | 4/15/2020 |
| 4/16/2020  | 4/17/2020 |                   |    |         | 3774                | 4368    | 1.1574         | 1.157      | 4/16/2020 |
| 4/17/2020  | 4/18/2020 |                   |    |         | 2416                | 2799    | 1.1586         | 1.159      | 4/17/2020 |
| 4/18/2020  | 4/19/2020 |                   |    |         | 2790                | 3237    | 1.1588         | 1.159      | 4/18/2020 |
| 4/19/2020  | 4/20/2020 |                   |    |         | 2465                | 2860    | 1.1606         | 1.161      | 4/19/2020 |
| 4/20/2020  | 4/21/2020 |                   |    |         | 2349                | 2686    | 1.1442         | 1.144      | 4/20/2020 |
| 4/21/2020  | 4/22/2020 |                   |    |         | 1482                | 1686    | 1.1379         | 1.138      | 4/21/2020 |
| 4/22/2020  | 4/23/2020 |                   |    |         | 1285                | 1454    | 1.1320         | 1.132      | 4/22/2020 |
| 4/23/2020  | 4/24/2020 |                   |    |         | 1564                | 1755    | 1.1208         | 1.121      | 4/23/2020 |
| 4/24/2020  | 4/25/2020 |                   |    |         | 1536                | 1793    | 1.1631         | 1.163      | 4/24/2020 |
| 4/25/2020  | 4/26/2020 |                   |    |         | 1907                | 2155    | 1.1300         | 1.130      | 4/25/2020 |
| 4/26/2020  | 4/27/2020 |                   |    |         | 1544                | 1800    | 1.1700         | 1.170      | 4/26/2020 |
| 4/27/2020  | 4/28/2020 |                   |    |         | 1310                | 1571    | 1.1992         | 1.199      | 4/27/2020 |
| 4/28/2020  | 4/29/2020 |                   |    |         | 1685                | 1959    | 1.1694         | 1.169      | 4/28/2020 |
| 4/29/2020  | 4/30/2020 |                   |    |         | 1343                | 1480    | 1.1019         | 1.102      | 4/29/2020 |
| 4/30/2020  | 5/1/2020  |                   |    |         | 1048                | 1152    | 1.0994         | 1.099      | 4/30/2020 |
|            |           | 0                 | 0  | #DIV/0! | 90,150              | 103,654 | 1.1494         | 1.1494     |           |



# Alliance Pipeline

DAILY ANALYSIS --- USA  
 ND07MD1 --- Hankinson Sales  
 April 2020

| DAY                      | Heating Value (BTU/ft3) | Relative Density | C1 Mol%        | C2 Mol%       | C3 Mol%       | IC4 Mol%      | NC4 Mol%      | IC5 Mol%      | NC5 Mol%      | C6+ Mol%      | N2 Mol%       | CO2 Mol%      | Hel Mol%      |
|--------------------------|-------------------------|------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1                        | 1,163.342               | 0.6681           | 83.6342        | 9.6789        | 3.9168        | 0.3979        | 0.7302        | 0.0664        | 0.0512        | 0.0242        | 1.0670        | 0.4245        | 0.0087        |
| 2                        | 1,164.092               | 0.6681           | 83.5912        | 9.8121        | 3.8967        | 0.3954        | 0.7100        | 0.0681        | 0.0512        | 0.0242        | 1.0116        | 0.4309        | 0.0087        |
| 3                        | 1,162.857               | 0.6673           | 83.6505        | 9.7727        | 3.9034        | 0.3868        | 0.6895        | 0.0650        | 0.0476        | 0.0226        | 1.0369        | 0.4161        | 0.0089        |
| 4                        | 1,166.569               | 0.6711           | 83.1994        | 9.8268        | 4.1213        | 0.3975        | 0.7280        | 0.0687        | 0.0490        | 0.0219        | 1.1557        | 0.4234        | 0.0083        |
| 5                        | 1,158.291               | 0.6653           | 83.9631        | 9.3714        | 3.9868        | 0.3625        | 0.6699        | 0.0526        | 0.0358        | 0.0171        | 1.1079        | 0.4240        | 0.0090        |
| 6                        | 1,160.444               | 0.6657           | 83.6750        | 9.8690        | 3.9066        | 0.3475        | 0.6415        | 0.0479        | 0.0323        | 0.0169        | 1.0515        | 0.4031        | 0.0087        |
| 7                        | 1,161.143               | 0.6660           | 83.5723        | 10.0177       | 3.8797        | 0.3472        | 0.6369        | 0.0470        | 0.0326        | 0.0160        | 1.0332        | 0.4087        | 0.0087        |
| 8                        | 1,161.005               | 0.6661           | 83.5778        | 9.9563        | 3.9220        | 0.3438        | 0.6370        | 0.0467        | 0.0321        | 0.0154        | 1.0531        | 0.4071        | 0.0088        |
| 9                        | 1,161.017               | 0.6655           | 83.6251        | 10.0191       | 3.8764        | 0.3444        | 0.6217        | 0.0460        | 0.0328        | 0.0165        | 1.0185        | 0.3909        | 0.0086        |
| 10                       | 1,160.862               | 0.6663           | 83.5805        | 9.9058        | 3.9211        | 0.3507        | 0.6499        | 0.0473        | 0.0323        | 0.0168        | 1.0841        | 0.4029        | 0.0086        |
| 11                       | 1,160.825               | 0.6666           | 83.6277        | 9.7962        | 3.9321        | 0.3595        | 0.6683        | 0.0509        | 0.0340        | 0.0180        | 1.0911        | 0.4141        | 0.0083        |
| 12                       | 1,158.312               | 0.6647           | 83.7684        | 9.8566        | 3.8237        | 0.3427        | 0.6246        | 0.0467        | 0.0319        | 0.0175        | 1.0612        | 0.4185        | 0.0082        |
| 13                       | 1,155.128               | 0.6624           | 84.1304        | 9.6040        | 3.7494        | 0.3351        | 0.6190        | 0.0477        | 0.0319        | 0.0159        | 1.0353        | 0.4224        | 0.0087        |
| 14                       | 1,157.807               | 0.6637           | 83.9944        | 9.6937        | 3.8113        | 0.3473        | 0.6316        | 0.0490        | 0.0328        | 0.0156        | 0.9899        | 0.4259        | 0.0085        |
| 15                       | 1,158.328               | 0.6642           | 83.9927        | 9.6159        | 3.8639        | 0.3559        | 0.6385        | 0.0501        | 0.0341        | 0.0152        | 0.9984        | 0.4263        | 0.0089        |
| 16                       | 1,159.324               | 0.6642           | 84.0077        | 9.6514        | 3.8416        | 0.3658        | 0.6494        | 0.0499        | 0.0349        | 0.0167        | 0.9544        | 0.4195        | 0.0089        |
| 17                       | 1,154.365               | 0.6617           | 84.3519        | 9.3766        | 3.7573        | 0.3518        | 0.6259        | 0.0473        | 0.0332        | 0.0167        | 1.0068        | 0.4236        | 0.0088        |
| 18                       | 1,155.987               | 0.6632           | 84.1640        | 9.3985        | 3.8476        | 0.3599        | 0.6425        | 0.0485        | 0.0344        | 0.0153        | 1.0596        | 0.4209        | 0.0088        |
| 19                       | 1,160.240               | 0.6662           | 83.7877        | 9.5763        | 3.9775        | 0.3720        | 0.6753        | 0.0504        | 0.0356        | 0.0153        | 1.0719        | 0.4303        | 0.0078        |
| 20                       | 1,156.773               | 0.6641           | 84.0923        | 9.4016        | 3.8061        | 0.3763        | 0.6939        | 0.0520        | 0.0362        | 0.0167        | 1.1001        | 0.4160        | 0.0087        |
| 21                       | 1,154.716               | 0.6623           | 84.3422        | 9.2945        | 3.7409        | 0.3701        | 0.6721        | 0.0508        | 0.0357        | 0.0159        | 1.0429        | 0.4260        | 0.0089        |
| 22                       | 1,157.130               | 0.6635           | 84.1595        | 9.4664        | 3.7504        | 0.3773        | 0.6912        | 0.0509        | 0.0372        | 0.0166        | 1.0238        | 0.4179        | 0.0089        |
| 23                       | 1,157.030               | 0.6633           | 84.1497        | 9.5351        | 3.7365        | 0.3728        | 0.6648        | 0.0518        | 0.0390        | 0.0173        | 1.0060        | 0.4185        | 0.0086        |
| 24                       | 1,156.527               | 0.6625           | 84.2974        | 9.4359        | 3.7118        | 0.3741        | 0.6790        | 0.0497        | 0.0376        | 0.0178        | 0.9781        | 0.4099        | 0.0088        |
| 25                       | 1,158.329               | 0.6637           | 84.1861        | 9.4437        | 3.7909        | 0.3823        | 0.6897        | 0.0539        | 0.0385        | 0.0170        | 0.9873        | 0.4019        | 0.0089        |
| 26                       | 1,153.900               | 0.6606           | 84.5437        | 9.2836        | 3.6715        | 0.3646        | 0.6522        | 0.0484        | 0.0357        | 0.0166        | 0.9793        | 0.3957        | 0.0088        |
| 27                       | 1,153.909               | 0.6608           | 84.5333        | 9.2631        | 3.6774        | 0.3665        | 0.6583        | 0.0500        | 0.0361        | 0.0163        | 0.9996        | 0.3908        | 0.0086        |
| 28                       | 1,153.587               | 0.6607           | 84.5439        | 9.2472        | 3.6965        | 0.3623        | 0.6498        | 0.0477        | 0.0341        | 0.0154        | 0.9892        | 0.4049        | 0.0089        |
| 29                       | 1,152.203               | 0.6600           | 84.6415        | 9.1620        | 3.6651        | 0.3622        | 0.6459        | 0.0486        | 0.0345        | 0.0160        | 1.0143        | 0.4012        | 0.0088        |
| 30                       | 1,154.491               | 0.6616           | 84.4361        | 9.2758        | 3.7353        | 0.3655        | 0.6565        | 0.0494        | 0.0361        | 0.0161        | 1.0062        | 0.4142        | 0.0089        |
| <b>Volume</b>            | <b>1,162.777</b>        | <b>0.6676</b>    | <b>83.5929</b> | <b>9.7734</b> | <b>3.9445</b> | <b>0.3800</b> | <b>0.6911</b> | <b>0.0610</b> | <b>0.0443</b> | <b>0.0209</b> | <b>1.0638</b> | <b>0.4195</b> | <b>0.0087</b> |
| <b>Weight Avg Energy</b> | <b>1,162.786</b>        | <b>0.6676</b>    | <b>83.5921</b> | <b>9.7738</b> | <b>3.9447</b> | <b>0.3800</b> | <b>0.6911</b> | <b>0.0610</b> | <b>0.0443</b> | <b>0.0209</b> | <b>1.0638</b> | <b>0.4195</b> | <b>0.0087</b> |



# Alliance Pipeline

DAILY ANALYSIS --- USA  
 ND14MD1 --- Milnor Sales  
 April 2020

| DAY                      | Heating Value (BTU/ft3) | Relative Density | C1 Mol%        | C2 Mol%       | C3 Mol%       | IC4 Mol%      | NC4 Mol%      | IC5 Mol%      | NC5 Mol%      | C6+ Mol%      | N2 Mol%       | CO2 Mol%      | Hel Mol%      |
|--------------------------|-------------------------|------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1                        | 1,163.577               | 0.6683           | 83.6093        | 9.7036        | 3.9217        | 0.3977        | 0.7285        | 0.0664        | 0.0509        | 0.0241        | 1.0648        | 0.4241        | 0.0087        |
| 2                        | 1,163.026               | 0.6675           | 83.6438        | 9.8021        | 3.8680        | 0.3901        | 0.6950        | 0.0678        | 0.0511        | 0.0241        | 1.0158        | 0.4336        | 0.0087        |
| 3                        | 1,163.212               | 0.6675           | 83.6628        | 9.7291        | 3.9297        | 0.3896        | 0.6990        | 0.0646        | 0.0470        | 0.0221        | 1.0334        | 0.4137        | 0.0089        |
| 4                        | 1,166.098               | 0.6710           | 83.2388        | 9.7533        | 4.1397        | 0.3971        | 0.7316        | 0.0676        | 0.0478        | 0.0213        | 1.1697        | 0.4250        | 0.0083        |
| 5                        | 1,156.562               | 0.6638           | 84.1116        | 9.3764        | 3.9142        | 0.3511        | 0.6451        | 0.0489        | 0.0328        | 0.0167        | 1.0773        | 0.4166        | 0.0093        |
| 6                        | 1,162.723               | 0.6671           | 83.4669        | 10.0165       | 3.9640        | 0.3514        | 0.6475        | 0.0474        | 0.0320        | 0.0171        | 1.0488        | 0.3999        | 0.0085        |
| 7                        | 1,161.174               | 0.6660           | 83.5824        | 10.0153       | 3.8889        | 0.3456        | 0.6332        | 0.0456        | 0.0320        | 0.0159        | 1.0309        | 0.4014        | 0.0088        |
| 8                        | 1,161.725               | 0.6666           | 83.5110        | 10.0072       | 3.9368        | 0.3449        | 0.6377        | 0.0474        | 0.0324        | 0.0156        | 1.0520        | 0.4061        | 0.0088        |
| 9                        | 1,158.659               | 0.6643           | 83.8293        | 9.8541        | 3.8276        | 0.3415        | 0.6196        | 0.0444        | 0.0319        | 0.0169        | 1.0307        | 0.3954        | 0.0087        |
| 10                       | 1,160.549               | 0.6663           | 83.6210        | 9.8380        | 3.9292        | 0.3519        | 0.6567        | 0.0478        | 0.0321        | 0.0169        | 1.0877        | 0.4101        | 0.0086        |
| 11                       | 1,160.735               | 0.6664           | 83.6444        | 9.8130        | 3.9152        | 0.3590        | 0.6644        | 0.0509        | 0.0341        | 0.0182        | 1.0806        | 0.4121        | 0.0082        |
| 12                       | 1,158.223               | 0.6646           | 83.8098        | 9.8280        | 3.8165        | 0.3433        | 0.6292        | 0.0469        | 0.0322        | 0.0173        | 1.0489        | 0.4196        | 0.0084        |
| 13                       | 1,155.362               | 0.6626           | 84.1200        | 9.6050        | 3.7560        | 0.3371        | 0.6215        | 0.0479        | 0.0318        | 0.0161        | 1.0333        | 0.4225        | 0.0088        |
| 14                       | 1,159.436               | 0.6648           | 83.8705        | 9.7564        | 3.8661        | 0.3514        | 0.6366        | 0.0499        | 0.0337        | 0.0155        | 0.9832        | 0.4279        | 0.0086        |
| 15                       | 1,159.574               | 0.6649           | 83.9182        | 9.6617        | 3.8946        | 0.3605        | 0.6460        | 0.0500        | 0.0345        | 0.0151        | 0.9834        | 0.4273        | 0.0087        |
| 16                       | 1,157.187               | 0.6630           | 84.1549        | 9.5857        | 3.7896        | 0.3549        | 0.6287        | 0.0490        | 0.0344        | 0.0158        | 0.9494        | 0.4288        | 0.0089        |
| 17                       | 1,154.940               | 0.6616           | 84.3934        | 9.3596        | 3.7689        | 0.3550        | 0.6281        | 0.0470        | 0.0338        | 0.0160        | 0.9753        | 0.4139        | 0.0088        |
| 18                       | 1,157.498               | 0.6645           | 84.0019        | 9.4886        | 3.8905        | 0.3630        | 0.6499        | 0.0497        | 0.0356        | 0.0158        | 1.0683        | 0.4287        | 0.0082        |
| 19                       | 1,157.470               | 0.6646           | 84.0246        | 9.4214        | 3.8978        | 0.3713        | 0.6651        | 0.0497        | 0.0352        | 0.0156        | 1.0776        | 0.4331        | 0.0086        |
| 20                       | 1,157.718               | 0.6648           | 84.0167        | 9.4378        | 3.8314        | 0.3793        | 0.7016        | 0.0535        | 0.0365        | 0.0166        | 1.0989        | 0.4188        | 0.0088        |
| 21                       | 1,156.992               | 0.6640           | 84.1198        | 9.4132        | 3.8071        | 0.3755        | 0.6863        | 0.0521        | 0.0367        | 0.0159        | 1.0579        | 0.4269        | 0.0086        |
| 22                       | 1,157.714               | 0.6639           | 84.1042        | 9.5250        | 3.7571        | 0.3772        | 0.6879        | 0.0512        | 0.0376        | 0.0168        | 1.0166        | 0.4174        | 0.0089        |
| 23                       | 1,155.497               | 0.6623           | 84.2680        | 9.4983        | 3.6722        | 0.3690        | 0.6576        | 0.0503        | 0.0382        | 0.0175        | 1.0020        | 0.4181        | 0.0087        |
| 24                       | 1,155.721               | 0.6620           | 84.3615        | 9.4167        | 3.6823        | 0.3721        | 0.6709        | 0.0489        | 0.0375        | 0.0178        | 0.9791        | 0.4043        | 0.0088        |
| 25                       | 1,156.162               | 0.6623           | 84.3541        | 9.3771        | 3.7347        | 0.3705        | 0.6672        | 0.0514        | 0.0374        | 0.0173        | 0.9788        | 0.4028        | 0.0088        |
| 26                       | 1,155.218               | 0.6616           | 84.4208        | 9.3469        | 3.7105        | 0.3675        | 0.6635        | 0.0482        | 0.0353        | 0.0166        | 0.9878        | 0.3940        | 0.0088        |
| 27                       | 1,152.774               | 0.6602           | 84.5987        | 9.2397        | 3.6521        | 0.3623        | 0.6446        | 0.0474        | 0.0349        | 0.0164        | 1.0033        | 0.3919        | 0.0087        |
| 28                       | 1,153.279               | 0.6601           | 84.6328        | 9.2357        | 3.6632        | 0.3644        | 0.6393        | 0.0485        | 0.0355        | 0.0160        | 0.9559        | 0.3999        | 0.0088        |
| 29                       | 1,153.153               | 0.6606           | 84.5696        | 9.2170        | 3.6821        | 0.3651        | 0.6492        | 0.0492        | 0.0350        | 0.0164        | 1.0042        | 0.4035        | 0.0088        |
| 30                       | 1,154.647               | 0.6618           | 84.4173        | 9.2912        | 3.7367        | 0.3664        | 0.6564        | 0.0494        | 0.0360        | 0.0163        | 1.0107        | 0.4108        | 0.0088        |
| <b>Volume</b>            | <b>1,158.439</b>        | <b>0.6645</b>    | <b>83.9949</b> | <b>9.5862</b> | <b>3.8283</b> | <b>0.3669</b> | <b>0.6633</b> | <b>0.0524</b> | <b>0.0375</b> | <b>0.0176</b> | <b>1.0276</b> | <b>0.4166</b> | <b>0.0087</b> |
| <b>Weight Avg Energy</b> | <b>1,158.459</b>        | <b>0.6645</b>    | <b>83.9926</b> | <b>9.5876</b> | <b>3.8290</b> | <b>0.3670</b> | <b>0.6633</b> | <b>0.0524</b> | <b>0.0375</b> | <b>0.0176</b> | <b>1.0277</b> | <b>0.4166</b> | <b>0.0087</b> |

April-20

ZONE 610

Watford City

Watford City West Border

Watford City East Border

Weighted

| Start Date | End Date  | BTU   |       |         | BTU    |        |         | AVG<br>BTU |           |
|------------|-----------|-------|-------|---------|--------|--------|---------|------------|-----------|
|            |           | MCF   | DK    | Zone 25 | MCF    | DK     | Zone 43 |            |           |
| 4/1/2020   | 4/2/2020  | 461   | 547   | 1.1879  | 864    | 1005   | 1.1627  | 1.171      | 4/1/2020  |
| 4/2/2020   | 4/3/2020  | 490   | 582   | 1.1879  | 941    | 1094   | 1.1617  | 1.171      | 4/2/2020  |
| 4/3/2020   | 4/4/2020  | 388   | 461   | 1.1879  | 711    | 825    | 1.1606  | 1.170      | 4/3/2020  |
| 4/4/2020   | 4/5/2020  | 301   | 357   | 1.1879  | 532    | 618    | 1.1610  | 1.171      | 4/4/2020  |
| 4/5/2020   | 4/6/2020  | 253   | 301   | 1.1879  | 483    | 561    | 1.1609  | 1.170      | 4/5/2020  |
| 4/6/2020   | 4/7/2020  | 194   | 230   | 1.1879  | 360    | 417    | 1.1587  | 1.169      | 4/6/2020  |
| 4/7/2020   | 4/8/2020  | 213   | 253   | 1.1879  | 333    | 385    | 1.1590  | 1.170      | 4/7/2020  |
| 4/8/2020   | 4/9/2020  | 346   | 411   | 1.1879  | 543    | 629    | 1.1581  | 1.170      | 4/8/2020  |
| 4/9/2020   | 4/10/2020 | 294   | 349   | 1.1879  | 466    | 540    | 1.1588  | 1.170      | 4/9/2020  |
| 4/10/2020  | 4/11/2020 | 167   | 198   | 1.1879  | 281    | 325    | 1.1572  | 1.169      | 4/10/2020 |
| 4/11/2020  | 4/12/2020 | 319   | 379   | 1.1879  | 524    | 606    | 1.1583  | 1.170      | 4/11/2020 |
| 4/12/2020  | 4/13/2020 | 374   | 444   | 1.1879  | 582    | 674    | 1.1581  | 1.170      | 4/12/2020 |
| 4/13/2020  | 4/14/2020 | 464   | 551   | 1.1879  | 789    | 920    | 1.1653  | 1.174      | 4/13/2020 |
| 4/14/2020  | 4/15/2020 | 355   | 422   | 1.1879  | 561    | 651    | 1.1593  | 1.170      | 4/14/2020 |
| 4/15/2020  | 4/16/2020 | 329   | 391   | 1.1879  | 503    | 580    | 1.1545  | 1.168      | 4/15/2020 |
| 4/16/2020  | 4/17/2020 | 325   | 386   | 1.1879  | 495    | 572    | 1.1554  | 1.168      | 4/16/2020 |
| 4/17/2020  | 4/18/2020 | 178   | 211   | 1.1879  | 229    | 265    | 1.1549  | 1.169      | 4/17/2020 |
| 4/18/2020  | 4/19/2020 | 239   | 284   | 1.1879  | 386    | 446    | 1.1554  | 1.168      | 4/18/2020 |
| 4/19/2020  | 4/20/2020 | 183   | 217   | 1.1879  | 271    | 313    | 1.1553  | 1.168      | 4/19/2020 |
| 4/20/2020  | 4/21/2020 | 216   | 257   | 1.1879  | 201    | 232    | 1.1560  | 1.173      | 4/20/2020 |
| 4/21/2020  | 4/22/2020 | 165   | 196   | 1.1879  | 96     | 112    | 1.1610  | 1.178      | 4/21/2020 |
| 4/22/2020  | 4/23/2020 | 176   | 210   | 1.1879  | 130    | 150    | 1.1533  | 1.173      | 4/22/2020 |
| 4/23/2020  | 4/24/2020 | 200   | 238   | 1.1879  | 196    | 226    | 1.1517  | 1.170      | 4/23/2020 |
| 4/24/2020  | 4/25/2020 | 200   | 237   | 1.1879  | 183    | 210    | 1.1513  | 1.170      | 4/24/2020 |
| 4/25/2020  | 4/26/2020 | 173   | 206   | 1.1879  | 121    | 140    | 1.1514  | 1.173      | 4/25/2020 |
| 4/26/2020  | 4/27/2020 | 178   | 211   | 1.1879  | 152    | 175    | 1.1504  | 1.171      | 4/26/2020 |
| 4/27/2020  | 4/28/2020 | 163   | 194   | 1.1879  | 104    | 119    | 1.1501  | 1.173      | 4/27/2020 |
| 4/28/2020  | 4/29/2020 | 232   | 275   | 1.1879  | 296    | 341    | 1.1519  | 1.168      | 4/28/2020 |
| 4/29/2020  | 4/30/2020 | 152   | 180   | 1.1879  | 115    | 133    | 1.1508  | 1.172      | 4/29/2020 |
| 4/30/2020  | 5/1/2020  | 134   | 160   | 1.1879  | 65     | 75     | 1.1505  | 1.176      | 4/30/2020 |
|            |           | 7,862 | 9,338 | 1.1879  | 11,513 | 13,339 | 1.1565  | 1.1707     |           |

| ROW ID | LOCATION DESCRIPTION | GROSS HEATING VALUE (BTU/CF) | SPECIFIC GRAVITY | WOBBE (calc) | CRICONDENTHERM (deg F) | NITROGEN (mole percent) | CARBON DIOXIDE (mole percent) | METHANE (mole percent) | ETHANE (mole percent) | PROPANE (mole percent) | NORMAL BUTANE (mole percent) | ISO BUTANE (mole percent) | PENTANE (mole percent) | ISO PENTANE (mole percent) | NEO PENTANE (mole percent) | HEXANES PLUS (mole percent) | HYDROGEN (mole percent) | HELIUM (mole percent) | PRODUCTION DATE | POSTING DATE | Changestimestamp     | NOTES |
|--------|----------------------|------------------------------|------------------|--------------|------------------------|-------------------------|-------------------------------|------------------------|-----------------------|------------------------|------------------------------|---------------------------|------------------------|----------------------------|----------------------------|-----------------------------|-------------------------|-----------------------|-----------------|--------------|----------------------|-------|
| 11587  | GLEN ULLIN           | 1115.7                       | 0.6591           | 1374.3       | -39.9                  | 2.3671                  | 0.914                         | 79.9071                | 15.5497               | 1.0127                 | 0.0325                       | 0.0186                    | 0.0014                 | 0.0013                     | 0                          | 0.0001                      | 0.1725                  | 0.0232                | 3/31/2020       | 4/1/2020     | 4/1/2020 4:02:18 PM  |       |
| 11587  | GLEN ULLIN           | 1107.4                       | 0.6527           | 1370.7       | -44.5                  | 2.2925                  | 0.8999                        | 80.8787                | 14.7802               | 0.8578                 | 0.0202                       | 0.0123                    | 0                      | 0                          | 0                          | 0                           | 0.2358                  | 0.0227                | 4/1/2020        | 4/2/2020     | 4/2/2020 4:01:54 PM  |       |
| 11587  | GLEN ULLIN           | 1110.1                       | 0.6548           | 1371.8       | -42.8                  | 2.3047                  | 0.912                         | 80.6577                | 14.8859               | 0.9817                 | 0.0204                       | 0.0129                    | 0                      | 0                          | 0                          | 0                           | 0.2023                  | 0.0226                | 4/2/2020        | 4/3/2020     | 4/3/2020 4:04:09 PM  |       |
| 11587  | GLEN ULLIN           | 1117.5                       | 0.6609           | 1374.6       | -38.7                  | 2.4177                  | 0.925                         | 79.5224                | 15.7238               | 1.1331                 | 0.0226                       | 0.0145                    | 0                      | 0                          | 0                          | 0                           | 0.2181                  | 0.023                 | 4/3/2020        | 4/4/2020     | 4/4/2020 4:00:49 PM  |       |
| 11587  | GLEN ULLIN           | 1116                         | 0.6601           | 1373.7       | -39.4                  | 2.4268                  | 0.9255                        | 79.6276                | 15.6514               | 1.0768                 | 0.0252                       | 0.0154                    | 0.0004                 | 0.0003                     | 0                          | 0                           | 0.2275                  | 0.0232                | 4/4/2020        | 4/5/2020     | 4/5/2020 3:57:52 PM  |       |
| 11587  | GLEN ULLIN           | 1112.4                       | 0.6571           | 1372.3       | -41.4                  | 2.3805                  | 0.9155                        | 80.1696                | 15.2562               | 0.9974                 | 0.0243                       | 0.0147                    | 0.0004                 | 0.0003                     | 0                          | 0                           | 0.2181                  | 0.023                 | 4/5/2020        | 4/6/2020     | 4/6/2020 4:07:57 PM  |       |
| 11587  | GLEN ULLIN           | 1112.4                       | 0.6571           | 1372.3       | -41.5                  | 2.3762                  | 0.9188                        | 80.1416                | 15.3056               | 0.9774                 | 0.0225                       | 0.0139                    | 0.0001                 | 0.0002                     | 0                          | 0                           | 0.2211                  | 0.023                 | 4/6/2020        | 4/7/2020     | 4/7/2020 3:57:37 PM  |       |
| 11587  | GLEN ULLIN           | 1109.9                       | 0.6551           | 1371.3       | -43.1                  | 2.3373                  | 0.9203                        | 80.567                 | 15.0314               | 0.9137                 | 0.0192                       | 0.0118                    | 0.0002                 | 0.0002                     | 0                          | 0                           | 0.1764                  | 0.0224                | 4/7/2020        | 4/8/2020     | 4/8/2020 4:01:34 PM  |       |
| 11587  | GLEN ULLIN           | 1108.6                       | 0.6534           | 1371.5       | -43.8                  | 2.2395                  | 0.928                         | 80.8229                | 14.8295               | 0.8943                 | 0.0197                       | 0.0124                    | 0.0002                 | 0.0001                     | 0                          | 0                           | 0.2318                  | 0.0217                | 4/8/2020        | 4/9/2020     | 4/9/2020 4:00:02 PM  |       |
| 11587  | GLEN ULLIN           | 1107.2                       | 0.6528           | 1370.4       | -44.2                  | 2.2726                  | 0.9266                        | 80.9281                | 14.6783               | 0.905                  | 0.0192                       | 0.0122                    | 0                      | 0                          | 0                          | 0                           | 0.2364                  | 0.0218                | 4/9/2020        | 4/10/2020    | 4/10/2020 3:59:08 PM |       |
| 11587  | GLEN ULLIN           | 1107.3                       | 0.6521           | 1371.2       | -44.3                  | 2.2204                  | 0.9163                        | 81.1091                | 14.5626               | 0.9089                 | 0.0228                       | 0.0138                    | 0.0003                 | 0.0004                     | 0                          | 0                           | 0.2241                  | 0.0214                | 4/10/2020       | 4/11/2020    | 4/11/2020 4:01:31 PM |       |
| 11587  | GLEN ULLIN           | 1104.4                       | 0.65             | 1369.9       | -45.7                  | 2.2003                  | 0.9092                        | 81.5626                | 14.1941               | 0.8773                 | 0.023                        | 0.0135                    | 0.0007                 | 0.0005                     | 0                          | 0                           | 0.1972                  | 0.0217                | 4/11/2020       | 4/12/2020    | 4/12/2020 4:03:19 PM |       |
| 11587  | GLEN ULLIN           | 1105.9                       | 0.6511           | 1370.5       | -45.2                  | 2.2157                  | 0.9076                        | 81.361                 | 14.384                | 0.8886                 | 0.0214                       | 0.0129                    | 0.0003                 | 0.0002                     | 0                          | 0                           | 0.1867                  | 0.0217                | 4/12/2020       | 4/13/2020    | 4/13/2020 4:02:47 PM |       |
| 11587  | GLEN ULLIN           | 1106.2                       | 0.6509           | 1371.1       | -45.3                  | 2.1753                  | 0.9107                        | 81.6532                | 14.1866               | 0.9317                 | 0.022                        | 0.0136                    | 0.0001                 | 0.0002                     | 0                          | 0                           | 0.0846                  | 0.0222                | 4/13/2020       | 4/14/2020    | 4/14/2020 4:00:46 PM |       |
| 11587  | GLEN ULLIN           | 1098.4                       | 0.6448           | 1367.9       | -48.8                  | 2.0882                  | 0.8968                        | 82.5979                | 13.3052               | 0.858                  | 0.0201                       | 0.0125                    | 0.0001                 | 0                          | 0                          | 0                           | 0.1999                  | 0.0215                | 4/14/2020       | 4/15/2020    | 4/15/2020 4:02:26 PM |       |
| 11587  | GLEN ULLIN           | 1102.1                       | 0.6479           | 1369.2       | -47                    | 2.1114                  | 0.9252                        | 82.0666                | 13.7788               | 0.8829                 | 0.0211                       | 0.0134                    | 0                      | 0                          | 0                          | 0                           | 0.1794                  | 0.0215                | 4/15/2020       | 4/16/2020    | 4/16/2020 4:01:16 PM |       |
| 11587  | GLEN ULLIN           | 1105.4                       | 0.6502           | 1370.9       | -45.3                  | 2.1237                  | 0.935                         | 81.5991                | 14.1684               | 0.9203                 | 0.0232                       | 0.0146                    | 0                      | 0.0001                     | 0                          | 0                           | 0.1943                  | 0.0213                | 4/16/2020       | 4/17/2020    | 4/17/2020 3:57:13 PM |       |
| 11587  | GLEN ULLIN           | 1106.2                       | 0.6515           | 1370.5       | -45                    | 2.1725                  | 0.9499                        | 81.3494                | 14.41                 | 0.8908                 | 0.0207                       | 0.0131                    | 0                      | 0                          | 0                          | 0                           | 0.1718                  | 0.0219                | 4/17/2020       | 4/18/2020    | 4/18/2020 3:54:16 PM |       |
| 11587  | GLEN ULLIN           | 1108.7                       | 0.6532           | 1371.8       | -44                    | 2.1841                  | 0.9479                        | 81.0324                | 14.7085               | 0.9026                 | 0.0218                       | 0.0135                    | 0                      | 0.0001                     | 0                          | 0                           | 0.1676                  | 0.0217                | 4/18/2020       | 4/19/2020    | 4/19/2020 3:56:38 PM |       |
| 11587  | GLEN ULLIN           | 1107.4                       | 0.652            | 1371.5       | -44.6                  | 2.1809                  | 0.927                         | 81.2572                | 14.5128               | 0.8996                 | 0.0223                       | 0.0137                    | 0                      | 0.0001                     | 0                          | 0                           | 0.1649                  | 0.0218                | 4/19/2020       | 4/20/2020    | 4/20/2020 3:58:47 PM |       |
| 11587  | GLEN ULLIN           | 1109.1                       | 0.6535           | 1372         | -43.5                  | 2.1989                  | 0.9376                        | 81.1483                | 14.6255               | 0.9207                 | 0.0303                       | 0.0169                    | 0.0015                 | 0.0015                     | 0                          | 0.0001                      | 0.0968                  | 0.0221                | 4/20/2020       | 4/21/2020    | 4/21/2020 3:56:52 PM |       |
| 11587  | GLEN ULLIN           | 1104.1                       | 0.6482           | 1371.3       | -46.4                  | 2.0072                  | 0.9357                        | 82.2505                | 13.8237               | 0.8456                 | 0.0305                       | 0.0165                    | 0.0023                 | 0.0021                     | 0                          | 0.0004                      | 0.0645                  | 0.0212                | 4/21/2020       | 4/22/2020    | 4/22/2020 4:12:17 PM |       |
| 11587  | GLEN ULLIN           | 1094                         | 0.6405           | 1367         | -51.4                  | 1.9213                  | 0.9169                        | 83.3346                | 12.7821               | 0.7474                 | 0.0224                       | 0.0131                    | 0.0008                 | 0.0007                     | 0                          | 0.0001                      | 0.2406                  | 0.0202                | 4/22/2020       | 4/23/2020    | 4/23/2020 4:01:37 PM |       |
| 11587  | GLEN ULLIN           | 1094.6                       | 0.6414           | 1366.8       | -51.1                  | 1.9648                  | 0.9182                        | 83.1949                | 12.8791               | 0.7654                 | 0.0209                       | 0.013                     | 0.0001                 | 0.0002                     | 0                          | 0                           | 0.2234                  | 0.0203                | 4/23/2020       | 4/24/2020    | 4/24/2020 3:58:07 PM |       |
| 11587  | GLEN ULLIN           | 1091.5                       | 0.6387           | 1365.8       | -52.8                  | 1.9484                  | 0.8818                        | 83.7198                | 12.4289               | 0.7501                 | 0.02                         | 0.0128                    | 0.0002                 | 0.0002                     | 0                          | 0                           | 0.2171                  | 0.0207                | 4/24/2020       | 4/25/2020    | 4/25/2020 3:56:58 PM |       |
| 11587  | GLEN ULLIN           | 1100.7                       | 0.6465           | 1368.9       | -47.6                  | 2.0845                  | 0.918                         | 82.1474                | 13.686                | 0.8483                 | 0.0214                       | 0.014                     | 0                      | 0.0001                     | 0                          | 0                           | 0.2593                  | 0.0211                | 4/25/2020       | 4/26/2020    | 4/26/2020 4:00:47 PM |       |
| 11587  | GLEN ULLIN           | 1104.9                       | 0.6496           | 1370.8       | -45.4                  | 2.1017                  | 0.9361                        | 81.5715                | 14.2156               | 0.8588                 | 0.026                        | 0.0167                    | 0.0012                 | 0.0015                     | 0                          | 0.0002                      | 0.25                    | 0.0212                | 4/26/2020       | 4/27/2020    | 4/27/2020 3:58:59 PM |       |
| 11587  | GLEN ULLIN           | 1104.4                       | 0.6492           | 1370.6       | -45.4                  | 2.0914                  | 0.9323                        | 81.6778                | 14.1253               | 0.8509                 | 0.0279                       | 0.0195                    | 0.0017                 | 0.0023                     | 0                          | 0.0005                      | 0.2494                  | 0.0212                | 4/27/2020       | 4/28/2020    | 4/28/2020 4:03:58 PM |       |
| 11587  | GLEN ULLIN           | 1101                         | 0.647            | 1368.8       | -47.5                  | 2.0652                  | 0.9468                        | 81.933                 | 13.8964               | 0.7919                 | 0.0209                       | 0.014                     | 0.0006                 | 0.0008                     | 0                          | 0.0001                      | 0.3091                  | 0.0213                | 4/28/2020       | 4/29/2020    | 4/29/2020 3:59:43 PM |       |
| 11587  | GLEN ULLIN           | 1099.7                       | 0.6469           | 1367.3       | -48                    | 2.1145                  | 0.9629                        | 81.9202                | 13.8864               | 0.7626                 | 0.0188                       | 0.012                     | 0                      | 0                          | 0                          | 0                           | 0.3011                  | 0.0217                | 4/29/2020       | 4/30/2020    | 4/30/2020 4:02:46 PM |       |
| 11587  | GLEN ULLIN           | 1102.1                       | 0.6488           | 1368.2       | -47                    | 2.1594                  | 0.9573                        | 81.3933                | 14.3418               | 0.7402                 | 0.0181                       | 0.0113                    | 0                      | 0                          | 0                          | 0                           | 0.3573                  | 0.0213                | 4/30/2020       | 5/1/2020     | 5/1/2020 4:04:45 PM  |       |

| <b>NORTH DAKOTA HEATING VALUE ZONES</b> |                                    |  |
|---|------------------------------------|--|
| <b>ZONES</b>                            | <b>MEASURING DEVICE</b>            | <b>LOCATION</b>                          |
| 211                                     | Chromatograph                      | Sidney Border                            |
| 24                                      | Chromatograph                      | Williston Border                         |
| 241                                     | Accumulated Sample                 | Fairview Border                          |
| 25                                      | Accumulated Sample                 | Watford City West Border                 |
| 260                                     | Chromatograph                      | North Tioga Transfer                     |
| 261                                     | Chromatograph                      | Tioga Comp Station – Robinson Lake Plant |
| 262                                     | Chromatograph                      | Minot Border                             |
| 263                                     | Accumulated Sample                 | Lignite Plant                            |
| 264                                     | Accumulated Sample                 | Epping Border                            |
| 265                                     | Chromatograph                      | Tioga Comp Station – County Line Plant   |
| 271                                     | Chromatograph                      | Bismarck – Cleveland                     |
| 272                                     | Chromatograph                      | Cleveland – Mapleton                     |
| 273                                     | Chromatograph                      | Cleveland – Grafton                      |
| 28                                      | Chromatograph                      | Bismarck Station                         |
| 31                                      | Chromatograph                      | Dickinson Border                         |
| 32                                      | Chromatograph                      | Cabin Creek Station                      |
| 33                                      | Chromatograph                      | Little Knife Plant                       |
| 34                                      | Chromatograph                      | Bowman Border                            |
| 43                                      | Chromatograph                      | Spring Creek                             |
| 550                                     | Accumulated Sample & Chromatograph | Mandan Border                            |
| 600                                     | Chromatograph                      | Hankinson Area                           |
| 601                                     | Chromatograph                      | Milnor Area                              |
| 610                                     | Accumulated Sample & Chromatograph | Watford City                             |
| 802                                     | Chromatograph                      | Linton                                   |

MONTANA DAKOTA UTILITIES CO  
NORTH DAKOTA  
HEATING VALUE DATA

| STATE | ZONE | ZONE BOUNDARY                              | 12 MONTH AVERAGE | APR 20 | MAR 20 | FEB 20 | JAN 20 | DEC 19 | NOV 19 | OCT 19 | SEPT 19 | AUG 19 | JULY 19 | JUNE 19 | MAY 19 | ZONE |
|-------|------|--|------------------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|---------|--------|------|
| MT/ND | 211  | Sidney Border - MonDak Tfr - Sidney Pit    | 1207             | 1202   | 1211   | 1215   | 1207   | 1209   | 1198   | 1210   | 1218    | 1200   | 1199    | 1208    | 1207   | 211  |
| ND    | 24   | Williston Border - Charbonneau Station     | 1165             | 1155   | 1169   | 1171   | 1172   | 1173   | 1177   | 1160   | 1164    | 1165   | 1165    | 1152    | 1158   | 24   |
| ND    | 25   | Watford City West Border                   | 1196             | 1188   | 1202   | 1204   | 1196   | 1192   | 1194   | 1199   | 1195    | 1197   | 1195    | 1199    | 1188   | 25   |
| ND    | 28   | Bismarck Station - Glen Ullin Station      | 1157             | 1149   | 1138   | 1126   | 1123   | 1128   | 1125   | 1137   | 1189    | 1196   | 1186    | 1205    | 1178   | 28   |
| ND    | 31   | Dickinson Brd - Belfield Trf - G Ullin Stn | 1139             | 1150   | 1138   | 1126   | 1122   | 1128   | 1125   | 1137   | 1163    | 1114   | 1128    | 1168    | 1165   | 31   |
| ND/MT | 32   | Cabin Creek Station - Belfield Transfer    | 1120             | 1133   | 1103   | 1096   | 1093   | 1074   | 1122   | 1134   | 1130    | 1137   | 1133    | 1147    | 1138   | 32   |
| ND    | 33   | Little Knife Plant                         | 1174             | 1175   | 1173   | 1175   | 1174   | 1173   | 1172   | 1173   | 1174    | 1175   | 1175    | 1174    | 1173   | 33   |
| ND    | 34   | Badlands Plant/Bowman Border               | 1038             | 1048   | 1024   | 1073   | 1082   | 1110   | 1102   | 1054   | 1001    | 1013   | 989     | 978     | 979    | 34   |
| ND    | 43   | Spring Creek I - Sax Valve I               | 1149             | 1157   | 1152   | 1151   | 1154   | 1144   | 1151   | 1143   | 1144    | 1150   | 1140    | 1149    | 1148   | 43   |
| ND/MT | 241  | Fairview Border                            | 1200             | 1182   | 1195   | 1203   | 1209   | 1206   | 1202   | 1208   | 1210    | 1194   | 1191    | 1200    | 1202   | 241  |
| ND    | 260  | North Tioga Transfer - Nesson Plant        | 1120             | 1096   | 1132   | 1111   | 1089   | 1106   | 1146   | 1126   | 1136    | 1135   | 1132    | 1115    | 1118   | 260  |
| ND    | 261  | Tioga Comp Station - Robinson Lake Plan    | 1176             | 1179   | 1174   | 1173   | 1168   | 1166   | 1178   | 1174   | 1189    | 1189   | 1179    | 1175    | 1164   | 261  |
| ND    | 262  | Minot Bdr - Palermo Bdr - Bismarck Stn     | 1190             | 1190   | 1180   | 1180   | 1176   | 1184   | 1193   | 1195   | 1193    | 1197   | 1198    | 1205    | 1185   | 262  |
| ND    | 263  | Lignite Plant                              | 1152             | 1146   | 1160   | 1143   | 1145   | 1149   | 1149   | 1146   | 1146    | 1163   | 1164    | 1160    | 1152   | 263  |
| ND    | 264  | Epping Border                              | 1154             | 1147   | 1157   | 1165   | 1163   | 1162   | 1164   | 1144   | 1148    | 1155   | 1154    | 1150    | 1143   | 264  |
| ND    | 265  | Tioga Comp Station - County Line Plant     | 1173             | 1180   | 1174   | 1174   | 1168   | 1167   | 1168   | 1169   | 1176    | 1177   | 1175    | 1175    | 1177   | 265  |
| ND    | 266  | County Line Plant                          | 1170             | 1193   | 1164   | 1161   | 1162   | 1165   | 1170   | 1170   | 1172    | 1170   | 1166    | 1170    | 1171   | 266  |
| ND    | 271  | Bismarck Station - Cleveland Station       | 1182             | 1186   | 1169   | 1165   | 1159   | 1168   | 1174   | 1189   | 1191    | 1197   | 1196    | 1206    | 1186   | 271  |
| ND    | 272  | Cleveland Station - Mapleton               | 1182             | 1185   | 1169   | 1165   | 1159   | 1168   | 1174   | 1188   | 1191    | 1196   | 1195    | 1206    | 1185   | 272  |
| ND    | 273  | Cleveland Station - Grafton Border         | 1181             | 1184   | 1169   | 1165   | 1159   | 1168   | 1173   | 1188   | 1190    | 1195   | 1194    | 1204    | 1185   | 273  |
| ND    | 550  | Mandan Border / NBPL-St Anthony            | 1153             | 1149   | 1119   | 1117   | 1115   | 1121   | 1125   | 1137   | 1189    | 1196   | 1186    | 1202    | 1176   | 550  |
| ND    | 610  | MDU-Watford City BTU                       | 1174             | 1171   | 1169   | 1168   | 1168   | 1161   | 1172   | 1174   | 1178    | 1181   | 1180    | 1187    | 1176   | 610  |
| ND    | 802  | NBPL - Linton                              | 1100             | 1105   | 1102   | 1102   | 1102   | 1107   | 1107   | 1098   | 1094    | 1094   | 1091    | 1098    | 1101   | 802  |
| ND    | 903  | Hettinger Propane                          | 2549             | 2549   | 2549   | 2549   | 2549   | 2549   | 2549   | 2549   | 2549    | 2549   | 2549    | 2549    | 2549   | 903  |
| ND    | 600  | Alliance Pipeline - Hankinson              | 1163             | 1163   | 1164   | 1162   | 1160   | 1159   | 1166   | 1170   | 1167    | 1162   | 1161    | 1158    | 1169   | 600  |
| ND    | 601  | Alliance Pipeline - Milnor                 | 1163             | 1158   | 1164   | 1162   | 1160   | 1159   | 1166   | 1170   | 1167    | 1162   | 1160    | 1156    | 1169   | 602  |

| <b>THERMAL ZONE VARIANCE<br/>DOCUMENTATION</b> |                                |                                   |
|--|--------------------------------|-----------------------------------|
| <b>April 2020</b>                              |                                |                                   |
| <b><i>ZONE</i></b>                             | <b><i>BTU<br/>VARIANCE</i></b> | <b><i>REASON</i></b>              |
| 32   | 30                             | Operational and Direction of Flow |
| 34   | 24                             | Operational                       |
| 260  | -36                            | Operational                       |