

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

November 11, 2008

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NOV 13 2008

PUBLIC UTILITIES COMMISSION

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

Re: Case No. 11,006 (Therm Billing)  
Monthly Report – September 2008

Montana-Dakota Utilities Co., a Division of MDU Resources Group, Inc., herewith submits the following information, pursuant to the Ordering paragraphs one and two of the Order issued in the above-referenced docket, dated October 20, 1987:

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 October 2008.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our supplier for the month of September 2008. There is a report for each of the 16 thermal zones for the month.
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 September.

Please acknowledge receipt by stamping or initialing the duplicate copy of this letter attached hereto and returning the same in the enclosed self-addressed, stamped envelope. Should the Commission or its Staff have any comments or questions with respect to these reports, please call me.

Sincerely,



Tamie Aberle  
Pricing & Tariff Manager

MONTANA-DAKOTA UTILITIES CO.  
 Therm Billing Factor  
 OCT 2008

| Div Nbr | Off Code | City Name    | Heat Zone Nbr | Therm Billing Factor |
|---------|----------|--------------|---------------|----------------------|
| 12      | 314      | APPLE VALLEY | 271           | 1.0874               |
| 12      | 327      | BISMARCK     | 28            | 1.0498               |
| 12      | 343      | CARRINGTON   | 273           | 1.0874               |
| 12      | 344      | CLEVELAND    | 272           | 1.0788               |
| 12      | 364      | CAVALIER     | 273           | 1.1103               |
| 12      | 365      | DAWSON       | 271           | 1.0798               |
| 12      | 374      | FT TOTTEN    | 273           | 1.0951               |
| 12      | 375      | DEVILS LAKE  | 273           | 1.0951               |
| 12      | 379      | BARLOW       | 273           | 1.0874               |
| 12      | 387      | ELDRIDGE     | 272           | 1.0865               |
| 12      | 411      | GLEN ULLIN   | 31            | .9804                |
| 12      | 417      | GRAFTON      | 273           | 1.1180               |
| 12      | 439      | HANKINSON    | 600           | 1.0680               |
| 12      | 449      | JAMESTOWN    | 272           | 1.0941               |
| 12      | 463      | LANGDON      | 273           | 1.0874               |
| 12      | 475      | LINTON       | 802           | .9755                |
| 12      | 478      | LINCOLN      | 28            | 1.0498               |
| 12      | 494      | MEDINA       | 271           | 1.0798               |
| 12      | 498      | MANDAN       | 28            | 1.0498               |
| 12      | 524      | NEW SALEM    | 28            | 1.0276               |
| 12      | 532      | NEW ROCKFORD | 273           | 1.0874               |
| 12      | 539      | PARK RIVER   | 273           | 1.1103               |
| 12      | 574      | SANBORN      | 272           | 1.0941               |
| 12      | 593      | STEELE       | 271           | 1.0798               |
| 12      | 598      | SHEYENNE     | 273           | 1.0951               |
| 12      | 610      | TAPPEN       | 271           | 1.0798               |
| 12      | 625      | VALLEY CITY  | 272           | 1.1017               |
| 12      | 629      | WALHALLA     | 273           | 1.1103               |
| 12      | 647      | WILTON       | 262           | 1.0701               |
| 12      | 717      | SPIRITWOOD   | 272           | 1.0941               |
| 12      | 732      | MSR SITE     | 273           | 1.0874               |
| 12      | 733      | PAR SITE     | 273           | 1.0874               |
| 15      | 303      | ALEXANDER    | 25            | 1.0663               |
| 15      | 308      | ARNEGARD     | 25            | 1.0663               |
| 15      | 318      | BEACH        | 32            | .9537                |

MONTANA-DAKOTA UTILITIES CO.  
Therm Billing Factor  
OCT 2008

| Div Nbr | Off Code | City Name      | Heat Zone Nbr | Therm Billing Factor |
|---------|----------|----------------|---------------|----------------------|
| 15      | 319      | BELFIELD       | 32            | .9607                |
| 15      | 323      | BERTHOLD       | 262           | 1.0701               |
| 15      | 330      | BOWMAN         | 34            | 1.0787               |
| 15      | 337      | BURLINGTON     | 262           | 1.0932               |
| 15      | 368      | DES LACS       | 262           | 1.0778               |
| 15      | 369      | DICKINSON      | 31            | .9733                |
| 15      | 384      | EPPING         | 264           | 1.1098               |
| 15      | 407      | GLADSTONE      | 31            | .9733                |
| 15      | 413      | GOLVA          | 32            | .9397                |
| 15      | 416      | GARRISON       | 262           | 1.0778               |
| 15      | 429      | HEBRON         | 31            | .9804                |
| 15      | 459      | KILLDEER       | 33            | 1.0937               |
| 15      | 469      | LEFOR          | 31            | .9733                |
| 15      | 474      | LIGNITE        | 263           | 1.0864               |
| 15      | 500      | MARMARTH       | 34            | 1.0867               |
| 15      | 505      | MINOT          | 262           | 1.0932               |
| 15      | 510      | MOTT           | 31            | .9733                |
| 15      | 512      | MAX            | 262           | 1.0701               |
| 15      | 522      | NEW ENGLAND    | 31            | .9663                |
| 15      | 540      | PALERMO        | 262           | 1.0701               |
| 15      | 558      | RAY            | 264           | 1.1098               |
| 15      | 561      | REGENT         | 31            | .9733                |
| 15      | 563      | RHAME          | 34            | 1.0709               |
| 15      | 564      | RICHARDTON     | 31            | .9663                |
| 15      | 568      | ROSS           | 261           | 1.0596               |
| 15      | 572      | RUTHVILLE      | 262           | 1.0932               |
| 15      | 583      | SENTINEL BUTTE | 32            | .9537                |
| 15      | 588      | SOUTH HEART    | 31            | .9663                |
| 15      | 590      | SPRINGBROOK    | 264           | 1.1098               |
| 15      | 591      | STANLEY        | 261           | 1.0673               |
| 15      | 605      | SURREY         | 262           | 1.0932               |
| 15      | 611      | TAYLOR         | 31            | .9663                |
| 15      | 616      | TIOGA          | 261           | 1.0596               |
| 15      | 619      | TURTLE LAKE    | 262           | 1.0778               |
| 15      | 620      | TRENTON        | 24            | 1.1178               |

MONTANA-DAKOTA UTILITIES CO.  
Therm Billing Factor  
OCT 2008

| Div Nbr | Off Code | City Name    | Heat Zone Nbr | Therm Billing Factor |
|---------|----------|--------------|---------------|----------------------|
| 15      | 624      | UNDERWOOD    | 262           | 1.0778               |
| 15      | 632      | WATFORD CITY | 25            | 1.0663               |
| 15      | 636      | WHEELLOCK    | 264           | 1.1018               |
| 15      | 637      | WHITE EARTH  | 261           | 1.0673               |
| 15      | 642      | WILLISTON    | 24            | 1.1178               |
| 15      | 646      | WASHBURN     | 262           | 1.0855               |
| 15      | 664      | RIVERDALE    | 262           | 1.0778               |
| 15      | 691      | FAIRVIEW     | 24            | 1.1178               |
| 15      | 712      | MINOT AFB    | 262           | 1.0932               |
| 15      | 743      | BAKER FIELD  | 35            | .8935                |

\* \* \* E N D O F R E P O R T \* \* \*

**GQ Source Daily Summary**

September 2008

Number: 251

Name: SIDNEY BORDER

Pressure Base: 14.730

Temperature Base:

Contract Day: 1      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   | Crit'herm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|---------|-----------|
| 1   | 0.7319           | 1177.6            | 1198.4            |                      | 1.084 | 3.982 | 68.562 | 22.476 | 3.473 | 0.139 | 0.255 | 0.015 | 0.012 | 0.001 | 0.000 |    |    |     | 1400.87 |           |
| 2   | 0.7306           | 1175.4            | 1196.3            |                      | 1.087 | 3.993 | 68.749 | 22.350 | 3.391 | 0.141 | 0.259 | 0.016 | 0.013 | 0.001 | 0.000 |    |    |     | 1399.51 |           |
| 3   | 0.7299           | 1174.3            | 1195.1            |                      | 1.087 | 3.995 | 68.788 | 22.420 | 3.282 | 0.140 | 0.257 | 0.016 | 0.013 | 0.002 | 0.000 |    |    |     | 1398.82 |           |
| 4   | 0.7305           | 1175.2            | 1196.1            |                      | 1.090 | 3.988 | 68.707 | 22.464 | 3.322 | 0.140 | 0.259 | 0.016 | 0.013 | 0.001 | 0.000 |    |    |     | 1399.41 |           |
| 5   | 0.7306           | 1175.5            | 1196.3            |                      | 1.087 | 3.983 | 68.678 | 22.500 | 3.336 | 0.136 | 0.249 | 0.015 | 0.013 | 0.002 | 0.000 |    |    |     | 1399.64 |           |
| 6   | 0.7302           | 1174.7            | 1195.5            |                      | 1.087 | 4.001 | 68.757 | 22.405 | 3.325 | 0.140 | 0.258 | 0.015 | 0.012 | 0.001 | 0.000 |    |    |     | 1398.99 |           |
| 7   | 0.7305           | 1175.1            | 1195.9            |                      | 1.086 | 4.002 | 68.737 | 22.408 | 3.324 | 0.145 | 0.269 | 0.016 | 0.013 | 0.001 | 0.000 |    |    |     | 1399.24 |           |
| 8   | 0.7312           | 1176.2            | 1197.0            |                      | 1.086 | 4.000 | 68.671 | 22.400 | 3.397 | 0.145 | 0.269 | 0.016 | 0.014 | 0.002 | 0.000 |    |    |     | 1399.90 |           |
| 9   | 0.7305           | 1175.1            | 1195.9            |                      | 1.084 | 4.010 | 68.784 | 22.287 | 3.399 | 0.143 | 0.261 | 0.016 | 0.014 | 0.002 | 0.000 |    |    |     | 1399.17 |           |
| 10  | 0.7315           | 1176.7            | 1197.6            |                      | 1.088 | 3.993 | 68.668 | 22.344 | 3.471 | 0.143 | 0.261 | 0.016 | 0.013 | 0.001 | 0.000 |    |    |     | 1400.21 |           |
| 11  | 0.7311           | 1176.1            | 1196.9            |                      | 1.086 | 3.998 | 68.710 | 22.347 | 3.414 | 0.146 | 0.267 | 0.016 | 0.014 | 0.002 | 0.000 |    |    |     | 1399.81 |           |
| 12  | 0.7317           | 1177.2            | 1198.1            |                      | 1.082 | 3.991 | 68.667 | 22.332 | 3.465 | 0.151 | 0.279 | 0.016 | 0.014 | 0.002 | 0.000 |    |    |     | 1400.60 |           |
| 13  | 0.7329           | 1178.9            | 1199.8            |                      | 1.080 | 4.002 | 68.538 | 22.352 | 3.546 | 0.157 | 0.292 | 0.017 | 0.014 | 0.002 | 0.000 |    |    |     | 1401.48 |           |
| 14  | 0.7334           | 1179.8            | 1200.7            |                      | 1.079 | 4.001 | 68.507 | 22.317 | 3.601 | 0.160 | 0.299 | 0.018 | 0.015 | 0.002 | 0.000 |    |    |     | 1402.02 |           |
| 15  | 0.7253           | 1175.0            | 1195.8            |                      | 0.846 | 3.889 | 69.481 | 22.068 | 3.319 | 0.131 | 0.236 | 0.015 | 0.013 | 0.002 | 0.000 |    |    |     | 1404.16 |           |
| 16  | 0.7338           | 1180.3            | 1201.2            |                      | 1.080 | 3.997 | 68.500 | 22.276 | 3.649 | 0.163 | 0.297 | 0.019 | 0.016 | 0.002 | 0.000 |    |    |     | 1402.33 |           |
| 17  | 0.7340           | 1180.8            | 1201.7            |                      | 1.082 | 3.986 | 68.544 | 22.176 | 3.699 | 0.166 | 0.307 | 0.020 | 0.017 | 0.002 | 0.000 |    |    |     | 1402.66 |           |
| 18  | 0.7354           | 1183.1            | 1204.1            |                      | 1.079 | 3.976 | 68.402 | 22.210 | 3.801 | 0.172 | 0.322 | 0.019 | 0.017 | 0.002 | 0.000 |    |    |     | 1404.13 |           |
| 19  | 0.7346           | 1181.9            | 1202.9            |                      | 1.085 | 3.968 | 68.487 | 22.198 | 3.737 | 0.170 | 0.318 | 0.019 | 0.017 | 0.002 | 0.000 |    |    |     | 1403.45 |           |
| 20  | 0.7347           | 1181.4            | 1202.4            |                      | 1.080 | 4.014 | 68.917 | 21.376 | 3.982 | 0.199 | 0.382 | 0.025 | 0.022 | 0.003 | 0.000 |    |    |     | 1402.72 |           |
| 21  | 0.7370           | 1186.2            | 1207.2            |                      | 1.077 | 3.947 | 68.428 | 21.940 | 4.001 | 0.192 | 0.365 | 0.025 | 0.022 | 0.004 | 0.000 |    |    |     | 1406.18 |           |
| 22  | 0.7363           | 1185.1            | 1206.0            |                      | 1.079 | 3.943 | 68.466 | 21.975 | 3.966 | 0.183 | 0.344 | 0.022 | 0.019 | 0.003 | 0.000 |    |    |     | 1405.54 |           |
| 23  | 0.7312           | 1176.4            | 1197.3            |                      | 1.086 | 3.990 | 68.865 | 22.038 | 3.550 | 0.154 | 0.284 | 0.017 | 0.014 | 0.002 | 0.000 |    |    |     | 1400.08 |           |
| 24  | 0.7306           | 1175.7            | 1196.5            |                      | 1.087 | 3.977 | 68.796 | 22.250 | 3.485 | 0.132 | 0.246 | 0.014 | 0.012 | 0.001 | 0.000 |    |    |     | 1399.81 |           |
| 25  | 0.7345           | 1181.8            | 1202.8            |                      | 1.079 | 3.977 | 68.548 | 21.944 | 4.057 | 0.130 | 0.238 | 0.014 | 0.012 | 0.001 | 0.000 |    |    |     | 1403.39 |           |
| 26  | 0.7283           | 1171.5            | 1192.3            |                      | 1.086 | 4.014 | 69.043 | 22.186 | 3.268 | 0.133 | 0.244 | 0.014 | 0.012 | 0.001 | 0.000 |    |    |     | 1397.09 |           |
| 27  | 0.7245           | 1164.1            | 1184.7            |                      | 1.082 | 4.115 | 69.732 | 21.468 | 3.202 | 0.131 | 0.241 | 0.014 | 0.012 | 0.001 | 0.000 |    |    |     | 1391.82 |           |
| 28  | 0.7278           | 1170.6            | 1191.4            |                      | 1.088 | 4.024 | 68.982 | 22.376 | 3.136 | 0.130 | 0.237 | 0.013 | 0.011 | 0.001 | 0.000 |    |    |     | 1396.46 |           |
| 29  | 0.7279           | 1170.5            | 1191.2            |                      | 1.093 | 4.031 | 68.998 | 22.332 | 3.148 | 0.130 | 0.242 | 0.013 | 0.011 | 0.001 | 0.000 |    |    |     | 1396.21 |           |
| 30  | 0.7288           | 1172.3            | 1193.0            |                      | 1.084 | 4.022 | 68.957 | 22.250 | 3.274 | 0.134 | 0.251 | 0.014 | 0.012 | 0.001 | 0.000 |    |    |     | 1397.46 |           |
| Avg | 0.7314           | 1177.0            | 1197.7            |                      | 1.076 | 3.994 | 68.756 | 22.216 | 3.501 | 0.149 | 0.276 | 0.017 | 0.014 | 0.002 | 0.000 |    |    |     | 1400.44 |           |

*Zone 211*

## Williston Basin Interstate Pipeline Co. GQ Source Analysis

|                            |                      |                              |         |
|----------------------------|----------------------|------------------------------|---------|
| <b>GQ Source Number:</b>   | 0602330              | <b>Specific Gravity:</b>     | 0.7270  |
| <b>GQ Source Name:</b>     | WILLISTON BORDER     | <b>BTU Base:</b>             | Dry     |
| <b>Effective Date:</b>     | 9/10/2008 9:00:00 AM | <b>Dry Heat Value:</b>       | 1174.63 |
| <b>Effective End Date:</b> | 1/18/2038 9:14:07 PM | <b>Wet Heat Value:</b>       | 1154.19 |
| <b>Pressure Base:</b>      | 14.730               | <b>As Deliv. Heat Value:</b> | 1174.63 |
| <b>Viscosity:</b>          |                      |                              |         |

|               |                  | <u>Mol %</u> | <u>Imported<br/>GPM</u> | <u>Calculated<br/>GPM</u> |
|---------------|------------------|--------------|-------------------------|---------------------------|
| C1            | Methane          | 68.893       |                         |                           |
| C2            | Ethane           | 20.997       |                         | 5.599                     |
| C3            | Propane          | 3.510        | 0.965                   | 0.964                     |
| IC4           | Iso-Butane       | 0.147        | 0.048                   | 0.048                     |
| NC4           | N-Butane         | 0.274        | 0.086                   | 0.086                     |
| IC5           | Iso-Pentane      | 0.019        | 0.007                   | 0.007                     |
| NC5           | N-Pentane        | 0.017        | 0.006                   | 0.006                     |
| C6+           | Hexanes Plus     | 0.004        | 0.002                   | 0.002                     |
| CO2           | Carbon Dioxide   | 0.917        |                         |                           |
| N2            | Nitrogen         | 5.221        |                         |                           |
| O2            | Oxygen           | 0.000        |                         |                           |
| HE            | Helium           |              |                         |                           |
| H2            | Hydrogen         |              |                         |                           |
| H2S           | Hydrogen Sulfide |              |                         |                           |
| <b>Totals</b> |                  | 99.999       | 1.114                   | 6.712                     |

**Sample Date:** 8/31/2008 12:00:00 AM  
**Sample Type:** Composite  
**Sample Tech:** sampler  
**Sample Remarks:** Zone 24 ≠ Zone 264  
**Analysis Remarks:**

## Williston Basin Interstate Pipeline Co. GQ Source Analysis

|                     |                      |                       |         |
|---------------------|----------------------|-----------------------|---------|
| GQ Source Number:   | 0602230              | Specific Gravity:     | 0.7300  |
| GQ Source Name:     | WATFORD CITY BORDER  | BTU Base:             | Dry     |
| Effective Date:     | 9/10/2008 9:00:00 AM | Dry Heat Value:       | 1128.91 |
| Effective End Date: | 1/18/2038 9:14:07 PM | Wet Heat Value:       | 1109.26 |
| Pressure Base:      | 14.730               | As Deliv. Heat Value: | 1128.91 |
| Viscosity:          |                      |                       |         |

|               |                  | Mol %  | Imported<br>GPM | Calculated<br>GPM |
|---------------|------------------|--------|-----------------|-------------------|
| C1            | Methane          | 68.112 |                 |                   |
| C2            | Ethane           | 18.430 |                 | 4.914             |
| C3            | Propane          | 3.631  | 0.998           | 0.997             |
| IC4           | Iso-Butane       | 0.188  | 0.061           | 0.061             |
| NC4           | N-Butane         | 0.348  | 0.110           | 0.109             |
| IC5           | Iso-Pentane      | 0.028  | 0.010           | 0.010             |
| NC5           | N-Pentane        | 0.027  | 0.010           | 0.010             |
| C6+           | Hexanes Plus     | 0.007  | 0.003           | 0.003             |
| CO2           | Carbon Dioxide   | 0.765  |                 |                   |
| N2            | Nitrogen         | 8.461  |                 |                   |
| O2            | Oxygen           | 0.000  |                 |                   |
| HE            | Helium           |        |                 |                   |
| H2            | Hydrogen         |        |                 |                   |
| H2S           | Hydrogen Sulfide |        |                 |                   |
| <b>Totals</b> |                  | 99.997 | 1.192           | 6.105             |

**Sample Date:** 8/31/2008 12:00:00 AM  
**Sample Type:** Composite  
**Sample Tech:** sampler  
**Sample Remarks:** Zone 25

**Analysis Remarks:**

**GQ Source Daily Summary**

September 2008

Number: 163

Name: NORTH TIOGA MINOT

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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   | Crit'therm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|----|----|----|-----|---------|------------|
| 1   | 0.6780           | 1120.3            | 1140.1            |                      | 0.429 | 3.411 | 77.139 | 16.851 | 1.893 | 0.094 | 0.149 | 0.012 | 0.012 | 0.009 |    |    |    |     | 1384.66 |            |
| 2   | 0.6783           | 1119.0            | 1138.8            |                      | 0.417 | 3.542 | 77.076 | 16.772 | 1.912 | 0.093 | 0.149 | 0.012 | 0.011 | 0.016 |    |    |    |     | 1382.69 |            |
| 3   | 0.6883           | 1128.6            | 1148.6            |                      | 0.516 | 3.747 | 75.115 | 18.359 | 2.017 | 0.080 | 0.139 | 0.010 | 0.008 | 0.008 |    |    |    |     | 1384.39 |            |
| 4   | 0.6835           | 1125.1            | 1145.0            |                      | 0.507 | 3.519 | 76.096 | 17.682 | 1.921 | 0.092 | 0.154 | 0.012 | 0.011 | 0.006 |    |    |    |     | 1384.97 |            |
| 5   | 0.6786           | 1119.8            | 1139.6            |                      | 0.474 | 3.432 | 76.894 | 17.174 | 1.766 | 0.086 | 0.144 | 0.011 | 0.011 | 0.008 |    |    |    |     | 1383.42 |            |
| 6   | 0.6770           | 1120.9            | 1140.7            |                      | 0.439 | 3.267 | 77.186 | 17.115 | 1.730 | 0.087 | 0.143 | 0.012 | 0.012 | 0.010 |    |    |    |     | 1386.43 |            |
| 7   | 0.6790           | 1122.9            | 1142.8            |                      | 0.453 | 3.313 | 76.885 | 17.255 | 1.828 | 0.088 | 0.144 | 0.012 | 0.012 | 0.010 |    |    |    |     | 1386.84 |            |
| 8   | 0.6831           | 1126.3            | 1146.3            |                      | 0.502 | 3.409 | 76.249 | 17.603 | 1.954 | 0.094 | 0.156 | 0.012 | 0.012 | 0.009 |    |    |    |     | 1386.97 |            |
| 9   | 0.6820           | 1126.2            | 1146.2            |                      | 0.503 | 3.318 | 76.437 | 17.533 | 1.933 | 0.092 | 0.152 | 0.012 | 0.011 | 0.008 |    |    |    |     | 1387.87 |            |
| 10  | 0.6813           | 1124.8            | 1144.7            |                      | 0.494 | 3.346 | 76.592 | 17.341 | 1.952 | 0.092 | 0.152 | 0.012 | 0.011 | 0.008 |    |    |    |     | 1386.90 |            |
| 11  | 0.6818           | 1125.6            | 1145.5            |                      | 0.503 | 3.341 | 76.523 | 17.374 | 1.983 | 0.092 | 0.154 | 0.012 | 0.011 | 0.008 |    |    |    |     | 1387.24 |            |
| 12  | 0.6829           | 1123.8            | 1143.7            |                      | 0.490 | 3.569 | 76.316 | 17.322 | 2.009 | 0.097 | 0.164 | 0.013 | 0.012 | 0.009 |    |    |    |     | 1383.98 |            |
| 13  | 0.6827           | 1125.6            | 1145.5            |                      | 0.488 | 3.443 | 76.380 | 17.375 | 2.024 | 0.095 | 0.158 | 0.012 | 0.012 | 0.007 |    |    |    |     | 1386.38 |            |
| 14  | 0.6845           | 1127.8            | 1147.8            |                      | 0.510 | 3.443 | 76.048 | 17.670 | 2.044 | 0.095 | 0.160 | 0.012 | 0.012 | 0.008 |    |    |    |     | 1387.31 |            |
| 15  | 0.6848           | 1127.2            | 1147.2            |                      | 0.509 | 3.507 | 76.083 | 17.484 | 2.121 | 0.098 | 0.167 | 0.012 | 0.012 | 0.008 |    |    |    |     | 1386.28 |            |
| 16  | 0.6818           | 1124.1            | 1144.0            |                      | 0.479 | 3.459 | 76.601 | 17.118 | 2.048 | 0.098 | 0.164 | 0.013 | 0.012 | 0.009 |    |    |    |     | 1385.53 |            |
| 17  | 0.6822           | 1125.8            | 1145.7            |                      | 0.475 | 3.404 | 76.576 | 17.153 | 2.085 | 0.102 | 0.170 | 0.014 | 0.013 | 0.009 |    |    |    |     | 1387.15 |            |
| 18  | 0.6622           | 1107.3            | 1126.9            |                      | 0.236 | 3.013 | 79.554 | 15.655 | 1.338 | 0.067 | 0.104 | 0.010 | 0.010 | 0.013 |    |    |    |     | 1384.83 |            |
| 19  | 0.6473           | 1092.8            | 1112.1            |                      | 0.097 | 2.708 | 82.067 | 13.996 | 0.963 | 0.057 | 0.078 | 0.009 | 0.010 | 0.014 |    |    |    |     | 1382.30 |            |
| 20  | 0.6416           | 1085.6            | 1104.8            |                      | 0.065 | 2.654 | 83.017 | 13.333 | 0.762 | 0.058 | 0.076 | 0.010 | 0.010 | 0.014 |    |    |    |     | 1379.38 |            |
| 21  | 0.6453           | 1091.5            | 1110.9            |                      | 0.078 | 2.630 | 82.338 | 13.937 | 0.858 | 0.055 | 0.071 | 0.009 | 0.009 | 0.015 |    |    |    |     | 1382.83 |            |
| 22  | 0.6454           | 1091.2            | 1110.5            |                      | 0.067 | 2.671 | 82.279 | 13.974 | 0.868 | 0.048 | 0.062 | 0.007 | 0.008 | 0.014 |    |    |    |     | 1382.34 |            |
| 23  | 0.6464           | 1091.4            | 1110.7            |                      | 0.076 | 2.746 | 81.988 | 14.242 | 0.820 | 0.044 | 0.057 | 0.007 | 0.007 | 0.013 |    |    |    |     | 1381.46 |            |
| 24  | 0.6483           | 1092.9            | 1112.3            |                      | 0.091 | 2.807 | 81.662 | 14.418 | 0.906 | 0.039 | 0.050 | 0.006 | 0.006 | 0.014 |    |    |    |     | 1381.40 |            |
| 25  | 0.6456           | 1091.4            | 1110.8            |                      | 0.049 | 2.704 | 82.139 | 14.173 | 0.801 | 0.045 | 0.057 | 0.007 | 0.008 | 0.017 |    |    |    |     | 1382.44 |            |
| 26  | 0.6451           | 1091.3            | 1110.6            |                      | 0.069 | 2.631 | 82.400 | 13.852 | 0.897 | 0.053 | 0.068 | 0.008 | 0.008 | 0.014 |    |    |    |     | 1382.85 |            |
| 27  | 0.6476           | 1091.3            | 1110.6            |                      | 0.079 | 2.860 | 81.600 | 14.631 | 0.714 | 0.038 | 0.050 | 0.005 | 0.006 | 0.017 |    |    |    |     | 1380.08 |            |
| 28  | 0.6474           | 1093.5            | 1112.8            |                      | 0.072 | 2.720 | 81.792 | 14.458 | 0.829 | 0.044 | 0.055 | 0.006 | 0.007 | 0.016 |    |    |    |     | 1383.02 |            |
| 29  | 0.6461           | 1091.7            | 1111.1            |                      | 0.072 | 2.696 | 82.101 | 14.178 | 0.804 | 0.051 | 0.065 | 0.006 | 0.006 | 0.017 |    |    |    |     | 1382.29 |            |
| 30  | 0.6465           | 1092.6            | 1112.0            |                      | 0.067 | 2.689 | 82.031 | 14.230 | 0.839 | 0.049 | 0.063 | 0.008 | 0.008 | 0.016 |    |    |    |     | 1382.98 |            |
| AV9 | 0.6668           | 1111.0            | 1130.3            |                      | 0.310 | 3.133 | 78.839 | 16.009 | 1.487 | 0.074 | 0.116 | 0.010 | 0.010 | 0.012 |    |    |    |     | 1384.24 |            |

*Zone 261*

**GQ Source Daily Summary**

September 2008

Number: 091

Name: MINOT

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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   | Crit'herm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|---------|-----------|
| 1   | 0.6711           | 1107.1            | 1126.7            |                      | 0.250 | 3.838 | 78.327 | 15.431 | 1.865 | 0.095 | 0.154 | 0.012 | 0.013 | 0.016 | 0.000 |    |    |     | 1375.38 |           |
| 2   | 0.6811           | 1116.8            | 1136.6            |                      | 0.400 | 3.961 | 76.546 | 16.783 | 2.023 | 0.094 | 0.156 | 0.011 | 0.011 | 0.016 | 0.000 |    |    |     | 1377.22 |           |
| 3   | 0.6854           | 1124.5            | 1144.4            |                      | 0.463 | 3.797 | 76.023 | 17.174 | 2.229 | 0.106 | 0.171 | 0.011 | 0.011 | 0.016 | 0.000 |    |    |     | 1382.37 |           |
| 4   | 0.6838           | 1120.6            | 1140.5            |                      | 0.440 | 3.916 | 76.218 | 16.985 | 2.132 | 0.100 | 0.164 | 0.011 | 0.010 | 0.024 | 0.000 |    |    |     | 1379.23 |           |
| 5   | 0.6940           | 1131.6            | 1151.6            |                      | 0.545 | 4.052 | 74.260 | 18.596 | 2.269 | 0.090 | 0.158 | 0.009 | 0.007 | 0.013 | 0.000 |    |    |     | 1382.40 |           |
| 6   | 0.6893           | 1128.0            | 1148.0            |                      | 0.535 | 3.842 | 75.210 | 17.931 | 2.178 | 0.101 | 0.173 | 0.011 | 0.010 | 0.009 | 0.000 |    |    |     | 1382.73 |           |
| 7   | 0.6850           | 1123.4            | 1143.3            |                      | 0.506 | 3.769 | 75.929 | 17.442 | 2.056 | 0.098 | 0.168 | 0.011 | 0.010 | 0.012 | 0.000 |    |    |     | 1381.33 |           |
| 8   | 0.6842           | 1123.9            | 1143.8            |                      | 0.465 | 3.716 | 76.070 | 17.399 | 2.060 | 0.095 | 0.159 | 0.011 | 0.010 | 0.016 | 0.000 |    |    |     | 1382.86 |           |
| 9   | 0.6860           | 1127.5            | 1147.5            |                      | 0.479 | 3.652 | 75.849 | 17.550 | 2.161 | 0.101 | 0.170 | 0.012 | 0.011 | 0.015 | 0.000 |    |    |     | 1385.38 |           |
| 10  | 0.6864           | 1129.6            | 1149.6            |                      | 0.519 | 3.500 | 75.821 | 17.712 | 2.129 | 0.103 | 0.179 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     | 1387.59 |           |
| 11  | 0.6877           | 1128.1            | 1148.6            |                      | 0.529 | 3.667 | 75.554 | 17.779 | 2.162 | 0.101 | 0.172 | 0.011 | 0.011 | 0.013 | 0.000 |    |    |     | 1385.02 |           |
| 12  | 0.6874           | 1127.1            | 1147.1            |                      | 0.517 | 3.748 | 75.638 | 17.567 | 2.224 | 0.101 | 0.172 | 0.011 | 0.011 | 0.012 | 0.000 |    |    |     | 1383.51 |           |
| 13  | 0.6872           | 1127.1            | 1147.0            |                      | 0.522 | 3.723 | 75.681 | 17.557 | 2.213 | 0.101 | 0.171 | 0.011 | 0.011 | 0.012 | 0.000 |    |    |     | 1383.66 |           |
| 14  | 0.6871           | 1125.7            | 1145.6            |                      | 0.514 | 3.808 | 75.689 | 17.486 | 2.179 | 0.104 | 0.182 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     | 1382.10 |           |
| 15  | 0.6880           | 1125.5            | 1145.4            |                      | 0.510 | 3.908 | 75.607 | 17.371 | 2.267 | 0.107 | 0.191 | 0.013 | 0.013 | 0.012 | 0.000 |    |    |     | 1380.96 |           |
| 16  | 0.6908           | 1126.6            | 1146.5            |                      | 0.528 | 3.894 | 75.470 | 17.612 | 2.189 | 0.101 | 0.174 | 0.011 | 0.011 | 0.010 | 0.000 |    |    |     | 1380.78 |           |
| 17  | 0.6908           | 1126.6            | 1146.5            |                      | 0.534 | 4.072 | 75.045 | 17.709 | 2.306 | 0.107 | 0.194 | 0.013 | 0.013 | 0.007 | 0.000 |    |    |     | 1379.46 |           |
| 18  | 0.6902           | 1125.6            | 1145.6            |                      | 0.536 | 4.074 | 75.162 | 17.587 | 2.316 | 0.108 | 0.184 | 0.012 | 0.011 | 0.012 | 0.000 |    |    |     | 1378.88 |           |
| 19  | 0.6882           | 1125.6            | 1145.5            |                      | 0.497 | 3.943 | 75.505 | 17.479 | 2.257 | 0.105 | 0.179 | 0.012 | 0.011 | 0.014 | 0.000 |    |    |     | 1380.86 |           |
| 20  | 0.6827           | 1116.8            | 1136.6            |                      | 0.427 | 4.065 | 76.336 | 16.788 | 2.076 | 0.098 | 0.171 | 0.012 | 0.012 | 0.015 | 0.000 |    |    |     | 1375.66 |           |
| 21  | 0.6584           | 1092.5            | 1111.8            |                      | 0.146 | 3.691 | 80.237 | 14.311 | 1.394 | 0.072 | 0.111 | 0.009 | 0.010 | 0.018 | 0.000 |    |    |     | 1370.31 |           |
| 22  | 0.6552           | 1089.9            | 1109.2            |                      | 0.136 | 3.568 | 80.858 | 13.905 | 1.256 | 0.085 | 0.145 | 0.017 | 0.019 | 0.010 | 0.000 |    |    |     | 1370.32 |           |
| 23  | 0.6511           | 1087.6            | 1106.9            |                      | 0.101 | 3.377 | 81.355 | 13.893 | 1.083 | 0.063 | 0.090 | 0.008 | 0.009 | 0.021 | 0.000 |    |    |     | 1371.74 |           |
| 24  | 0.6520           | 1092.1            | 1111.5            |                      | 0.101 | 3.190 | 81.200 | 14.207 | 1.131 | 0.056 | 0.081 | 0.007 | 0.007 | 0.021 | 0.000 |    |    |     | 1376.45 |           |
| 25  | 0.6540           | 1090.6            | 1109.9            |                      | 0.123 | 3.434 | 80.744 | 14.424 | 1.108 | 0.056 | 0.079 | 0.006 | 0.006 | 0.020 | 0.000 |    |    |     | 1372.47 |           |
| 26  | 0.6554           | 1093.3            | 1112.7            |                      | 0.117 | 3.403 | 80.474 | 14.708 | 1.146 | 0.048 | 0.075 | 0.004 | 0.005 | 0.020 | 0.000 |    |    |     | 1374.50 |           |
| 27  | 0.6580           | 1090.6            | 1109.9            |                      | 0.127 | 3.800 | 80.125 | 14.452 | 1.312 | 0.060 | 0.088 | 0.006 | 0.007 | 0.023 | 0.000 |    |    |     | 1368.34 |           |
| 28  | 0.6632           | 1095.1            | 1114.5            |                      | 0.160 | 3.972 | 79.416 | 14.631 | 1.591 | 0.079 | 0.118 | 0.007 | 0.007 | 0.018 | 0.000 |    |    |     | 1368.47 |           |
| 29  | 0.6595           | 1090.6            | 1109.9            |                      | 0.138 | 3.935 | 79.651 | 14.891 | 1.230 | 0.051 | 0.074 | 0.003 | 0.003 | 0.022 | 0.000 |    |    |     | 1366.64 |           |
| 30  | 0.6511           | 1089.6            | 1108.9            |                      | 0.096 | 3.266 | 81.226 | 14.259 | 0.983 | 0.058 | 0.077 | 0.006 | 0.007 | 0.023 | 0.000 |    |    |     | 1374.24 |           |
| Avg | 0.6760           | 1113.0            | 1133.0            |                      | 0.365 | 3.753 | 77.374 | 16.387 | 1.851 | 0.088 | 0.146 | 0.010 | 0.010 | 0.016 | 0.000 |    |    |     | 1378.03 |           |

*Zone 262*

## Williston Basin Interstate Pipeline Co. GQ Source Analysis

|                            |                      |                              |         |
|----------------------------|----------------------|------------------------------|---------|
| <b>GQ Source Number:</b>   | 2501030              | <b>Specific Gravity:</b>     | 0.6680  |
| <b>GQ Source Name:</b>     | LIGNITE PLANT        | <b>BTU Base:</b>             | Dry     |
| <b>Effective Date:</b>     | 9/10/2008 9:00:00 AM | <b>Dry Heat Value:</b>       | 1142.07 |
| <b>Effective End Date:</b> | 1/18/2038 9:14:07 PM | <b>Wet Heat Value:</b>       | 1122.19 |
| <b>Pressure Base:</b>      | 14.730               | <b>As Deliv. Heat Value:</b> | 1142.07 |
| <b>Viscosity:</b>          |                      |                              |         |

|               |                  | Mol %  | Imported<br>GPM | Calculated<br>GPM |
|---------------|------------------|--------|-----------------|-------------------|
| C1            | Methane          | 77.506 |                 |                   |
| C2            | Ethane           | 18.387 | 0.000           | 4.903             |
| C3            | Propane          | 1.137  | 0.313           | 0.312             |
| IC4           | Iso-Butane       | 0.003  | 0.001           | 0.001             |
| NC4           | N-Butane         | 0.003  | 0.001           | 0.001             |
| IC5           | Iso-Pentane      | 0.002  | 0.001           | 0.001             |
| NC5           | N-Pentane        | 0.002  | 0.001           | 0.001             |
| C6+           | Hexanes Plus     | 0.000  | 0.000           | 0.000             |
| CO2           | Carbon Dioxide   | 0.086  |                 |                   |
| N2            | Nitrogen         | 2.852  |                 |                   |
| O2            | Oxygen           | 0.000  |                 |                   |
| HE            | Helium           |        |                 |                   |
| H2            | Hydrogen         |        |                 |                   |
| H2S           | Hydrogen Sulfide |        |                 |                   |
| <b>Totals</b> |                  | 99.978 | 0.317           | 5.219             |

**Sample Date:** 8/31/2008 12:00:00 AM  
**Sample Type:** Composite  
**Sample Tech:** sampler  
**Sample Remarks:** Zone 263

**Analysis Remarks:**

**GQ Source Daily Summary**

September 2008

Number: 043

Name: BISMARCK PLANT CLEVELAND PLANT

Pressure Base: 14,730

Temperature Base:

Contract Day: 1 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   | Crittherm |
|-----|------------------|-------------------|-------------------|----------------------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|---------|-----------|
| 1   | 0.6822           | 1113.8            | 1133.5            | 0.402                | 4.247 | 76.380 | 16.562 | 2.103 | 0.099 | 0.166 | 0.013 | 0.013 | 0.013 | 0.015 | 0.000 |    |    |     | 1372.36 |           |
| 2   | 0.6816           | 1117.7            | 1137.5            | 0.437                | 3.885 | 76.491 | 16.876 | 2.021 | 0.094 | 0.158 | 0.012 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     | 1377.88 |           |
| 3   | 0.6860           | 1123.8            | 1143.7            | 0.474                | 3.875 | 75.930 | 17.131 | 2.272 | 0.106 | 0.172 | 0.012 | 0.012 | 0.012 | 0.017 | 0.000 |    |    |     | 1380.84 |           |
| 4   | 0.6861           | 1122.0            | 1141.9            | 0.467                | 4.002 | 75.664 | 17.480 | 2.100 | 0.091 | 0.156 | 0.011 | 0.010 | 0.010 | 0.019 | 0.000 |    |    |     | 1378.63 |           |
| 5   | 0.6987           | 1135.0            | 1155.1            | 0.589                | 4.217 | 73.480 | 18.998 | 2.419 | 0.094 | 0.172 | 0.010 | 0.008 | 0.008 | 0.012 | 0.000 |    |    |     | 1381.87 |           |
| 6   | 0.6883           | 1126.6            | 1146.5            | 0.540                | 3.829 | 75.328 | 17.880 | 2.127 | 0.098 | 0.166 | 0.012 | 0.011 | 0.011 | 0.010 | 0.000 |    |    |     | 1381.90 |           |
| 7   | 0.6844           | 1121.9            | 1141.8            | 0.507                | 3.790 | 76.023 | 17.346 | 2.037 | 0.096 | 0.166 | 0.012 | 0.011 | 0.011 | 0.012 | 0.000 |    |    |     | 1380.21 |           |
| 8   | 0.6841           | 1123.3            | 1143.2            | 0.473                | 3.727 | 76.105 | 17.332 | 2.063 | 0.097 | 0.165 | 0.012 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     | 1382.17 |           |
| 9   | 0.6851           | 1127.0            | 1146.9            | 0.511                | 3.537 | 76.034 | 17.505 | 2.097 | 0.100 | 0.175 | 0.013 | 0.013 | 0.013 | 0.014 | 0.000 |    |    |     | 1385.72 |           |
| 10  | 0.6873           | 1128.9            | 1148.9            | 0.538                | 3.594 | 75.657 | 17.735 | 2.150 | 0.104 | 0.183 | 0.013 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1385.76 |           |
| 11  | 0.6872           | 1126.2            | 1146.1            | 0.527                | 3.765 | 75.653 | 17.545 | 2.204 | 0.099 | 0.170 | 0.012 | 0.012 | 0.012 | 0.012 | 0.000 |    |    |     | 1382.54 |           |
| 12  | 0.6873           | 1127.0            | 1146.9            | 0.528                | 3.722 | 75.647 | 17.589 | 2.214 | 0.098 | 0.167 | 0.012 | 0.012 | 0.012 | 0.012 | 0.000 |    |    |     | 1383.44 |           |
| 13  | 0.6870           | 1124.8            | 1144.7            | 0.528                | 3.829 | 75.719 | 17.396 | 2.204 | 0.104 | 0.182 | 0.013 | 0.013 | 0.013 | 0.012 | 0.000 |    |    |     | 1381.08 |           |
| 14  | 0.6869           | 1124.5            | 1144.4            | 0.521                | 3.850 | 75.722 | 17.392 | 2.190 | 0.104 | 0.181 | 0.013 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1380.76 |           |
| 15  | 0.6873           | 1123.6            | 1143.5            | 0.529                | 3.928 | 75.633 | 17.399 | 2.187 | 0.103 | 0.181 | 0.013 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1379.30 |           |
| 16  | 0.6904           | 1126.0            | 1146.0            | 0.538                | 4.052 | 75.149 | 17.624 | 2.298 | 0.106 | 0.192 | 0.014 | 0.014 | 0.014 | 0.014 | 0.000 |    |    |     | 1379.23 |           |
| 17  | 0.6894           | 1124.4            | 1144.3            | 0.528                | 4.074 | 75.285 | 17.505 | 2.285 | 0.105 | 0.181 | 0.013 | 0.013 | 0.012 | 0.012 | 0.000 |    |    |     | 1378.22 |           |
| 18  | 0.6869           | 1121.3            | 1141.2            | 0.514                | 4.053 | 75.719 | 17.161 | 2.224 | 0.106 | 0.182 | 0.014 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1376.90 |           |
| 19  | 0.6859           | 1117.9            | 1137.6            | 0.510                | 4.177 | 75.898 | 16.881 | 2.195 | 0.108 | 0.188 | 0.014 | 0.014 | 0.014 | 0.013 | 0.000 |    |    |     | 1373.62 |           |
| 20  | 0.6727           | 1102.6            | 1122.1            | 0.278                | 4.217 | 77.787 | 15.707 | 1.737 | 0.083 | 0.146 | 0.012 | 0.012 | 0.013 | 0.019 | 0.000 |    |    |     | 1368.13 |           |
| 21  | 0.6609           | 1092.1            | 1111.4            | 0.207                | 3.855 | 79.880 | 14.334 | 1.474 | 0.078 | 0.127 | 0.012 | 0.012 | 0.013 | 0.019 | 0.000 |    |    |     | 1367.15 |           |
| 22  | 0.6497           | 1078.8            | 1097.9            | 0.190                | 3.630 | 81.888 | 12.886 | 1.166 | 0.073 | 0.119 | 0.013 | 0.013 | 0.015 | 0.021 | 0.000 |    |    |     | 1362.14 |           |
| 23  | 0.6481           | 1077.8            | 1096.9            | 0.208                | 3.517 | 82.108 | 12.830 | 1.143 | 0.063 | 0.094 | 0.009 | 0.010 | 0.010 | 0.018 | 0.000 |    |    |     | 1362.55 |           |
| 24  | 0.6484           | 1072.7            | 1091.7            | 0.281                | 3.754 | 82.105 | 12.465 | 1.217 | 0.057 | 0.090 | 0.008 | 0.008 | 0.008 | 0.015 | 0.000 |    |    |     | 1355.67 |           |
| 25  | 0.6484           | 1076.2            | 1095.2            | 0.264                | 3.560 | 82.076 | 12.748 | 1.182 | 0.055 | 0.085 | 0.007 | 0.008 | 0.008 | 0.015 | 0.000 |    |    |     | 1360.17 |           |
| 26  | 0.6530           | 1087.3            | 1106.5            | 0.178                | 3.448 | 81.042 | 14.004 | 1.165 | 0.050 | 0.082 | 0.007 | 0.008 | 0.008 | 0.016 | 0.000 |    |    |     | 1369.34 |           |
| 27  | 0.6525           | 1084.6            | 1103.8            | 0.155                | 3.598 | 81.120 | 13.800 | 1.152 | 0.054 | 0.083 | 0.008 | 0.008 | 0.009 | 0.021 | 0.000 |    |    |     | 1366.51 |           |
| 28  | 0.6556           | 1078.6            | 1097.7            | 0.262                | 4.092 | 80.905 | 13.034 | 1.508 | 0.067 | 0.101 | 0.008 | 0.008 | 0.008 | 0.016 | 0.000 |    |    |     | 1355.69 |           |
| 29  | 0.6466           | 1062.0            | 1080.8            | 0.355                | 4.119 | 82.424 | 11.758 | 1.183 | 0.053 | 0.085 | 0.006 | 0.006 | 0.006 | 0.012 | 0.000 |    |    |     | 1344.06 |           |
| 30  | 0.6379           | 1046.4            | 1064.9            | 0.455                | 4.106 | 84.130 | 10.092 | 1.085 | 0.044 | 0.070 | 0.005 | 0.005 | 0.005 | 0.008 | 0.000 |    |    |     | 1333.24 |           |
| Avg | 0.6742           | 1107.0            | 1126.8            | 0.416                | 3.868 | 77.766 | 15.833 | 1.847 | 0.086 | 0.146 | 0.011 | 0.011 | 0.011 | 0.015 | 0.000 |    |    |     | 1372.24 |           |

Zone 271

**GQ Source Daily Summary**

September 2008

Number: 063

Name: CLEVELAND PLANT MAPLETON

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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   | Crit'therm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|---------|------------|
| 1   | 0.6711           | 1107.1            | 1126.7            |                      | 0.250 | 3.838 | 78.327 | 15.431 | 1.865 | 0.095 | 0.154 | 0.012 | 0.013 | 0.016 | 0.000 |    |    |     | 1375.38 |            |
| 2   | 0.6827           | 1111.5            | 1131.2            |                      | 0.446 | 4.358 | 76.175 | 16.731 | 2.009 | 0.091 | 0.153 | 0.011 | 0.011 | 0.014 | 0.000 |    |    |     | 1369.13 |            |
| 3   | 0.6858           | 1123.7            | 1143.6            |                      | 0.473 | 3.856 | 75.969 | 17.107 | 2.269 | 0.106 | 0.171 | 0.012 | 0.012 | 0.016 | 0.000 |    |    |     | 1380.91 |            |
| 4   | 0.6859           | 1121.5            | 1141.4            |                      | 0.467 | 4.017 | 75.714 | 17.396 | 2.114 | 0.093 | 0.158 | 0.011 | 0.010 | 0.021 | 0.000 |    |    |     | 1378.19 |            |
| 5   | 0.6988           | 1135.2            | 1155.3            |                      | 0.587 | 4.214 | 73.483 | 18.997 | 2.426 | 0.093 | 0.171 | 0.010 | 0.008 | 0.011 | 0.000 |    |    |     | 1382.08 |            |
| 6   | 0.6911           | 1129.3            | 1149.3            |                      | 0.545 | 3.886 | 74.993 | 18.102 | 2.177 | 0.097 | 0.166 | 0.011 | 0.011 | 0.011 | 0.000 |    |    |     | 1382.47 |            |
| 7   | 0.6860           | 1123.5            | 1143.4            |                      | 0.516 | 3.826 | 75.763 | 17.528 | 2.065 | 0.096 | 0.167 | 0.012 | 0.011 | 0.012 | 0.000 |    |    |     | 1380.57 |            |
| 8   | 0.6842           | 1123.3            | 1143.2            |                      | 0.475 | 3.741 | 76.069 | 17.349 | 2.067 | 0.096 | 0.164 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     | 1382.01 |            |
| 9   | 0.6849           | 1126.8            | 1146.8            |                      | 0.511 | 3.537 | 76.056 | 17.488 | 2.093 | 0.100 | 0.175 | 0.013 | 0.013 | 0.014 | 0.000 |    |    |     | 1385.64 |            |
| 10  | 0.6873           | 1128.7            | 1148.7            |                      | 0.538 | 3.603 | 75.658 | 17.727 | 2.149 | 0.104 | 0.183 | 0.013 | 0.013 | 0.012 | 0.000 |    |    |     | 1385.57 |            |
| 11  | 0.6871           | 1125.8            | 1145.8            |                      | 0.527 | 3.778 | 75.664 | 17.526 | 2.200 | 0.099 | 0.170 | 0.012 | 0.012 | 0.012 | 0.000 |    |    |     | 1382.22 |            |
| 12  | 0.6872           | 1126.8            | 1146.8            |                      | 0.528 | 3.720 | 75.657 | 17.588 | 2.207 | 0.098 | 0.167 | 0.012 | 0.011 | 0.012 | 0.000 |    |    |     | 1383.40 |            |
| 13  | 0.6869           | 1124.6            | 1144.5            |                      | 0.527 | 3.829 | 75.749 | 17.373 | 2.199 | 0.104 | 0.182 | 0.013 | 0.013 | 0.012 | 0.000 |    |    |     | 1380.96 |            |
| 14  | 0.6868           | 1124.3            | 1144.2            |                      | 0.520 | 3.851 | 75.740 | 17.378 | 2.186 | 0.104 | 0.181 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1380.67 |            |
| 15  | 0.6872           | 1123.3            | 1143.2            |                      | 0.528 | 3.932 | 75.655 | 17.380 | 2.182 | 0.103 | 0.181 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1379.11 |            |
| 16  | 0.6902           | 1125.8            | 1145.7            |                      | 0.538 | 4.053 | 75.171 | 17.606 | 2.292 | 0.106 | 0.192 | 0.014 | 0.014 | 0.014 | 0.000 |    |    |     | 1379.08 |            |
| 17  | 0.6894           | 1124.3            | 1144.2            |                      | 0.529 | 4.078 | 75.284 | 17.504 | 2.282 | 0.105 | 0.181 | 0.012 | 0.012 | 0.012 | 0.000 |    |    |     | 1378.11 |            |
| 18  | 0.6867           | 1121.2            | 1141.1            |                      | 0.512 | 4.044 | 75.756 | 17.142 | 2.218 | 0.106 | 0.182 | 0.014 | 0.013 | 0.013 | 0.000 |    |    |     | 1376.95 |            |
| 19  | 0.6858           | 1117.7            | 1137.5            |                      | 0.510 | 4.172 | 75.927 | 16.863 | 2.190 | 0.108 | 0.188 | 0.014 | 0.014 | 0.013 | 0.000 |    |    |     | 1373.56 |            |
| 20  | 0.6728           | 1102.6            | 1122.1            |                      | 0.279 | 4.225 | 77.773 | 15.709 | 1.741 | 0.083 | 0.146 | 0.012 | 0.013 | 0.018 | 0.000 |    |    |     | 1368.03 |            |
| 21  | 0.6605           | 1091.8            | 1111.2            |                      | 0.205 | 3.841 | 79.934 | 14.314 | 1.459 | 0.076 | 0.125 | 0.012 | 0.013 | 0.019 | 0.000 |    |    |     | 1367.19 |            |
| 22  | 0.6496           | 1078.8            | 1097.9            |                      | 0.186 | 3.635 | 81.882 | 12.887 | 1.170 | 0.073 | 0.118 | 0.013 | 0.015 | 0.021 | 0.000 |    |    |     | 1362.20 |            |
| 23  | 0.6480           | 1077.6            | 1096.7            |                      | 0.208 | 3.519 | 82.122 | 12.818 | 1.141 | 0.063 | 0.093 | 0.009 | 0.010 | 0.018 | 0.000 |    |    |     | 1362.42 |            |
| 24  | 0.6483           | 1072.4            | 1091.4            |                      | 0.281 | 3.757 | 82.119 | 12.450 | 1.214 | 0.057 | 0.090 | 0.008 | 0.008 | 0.015 | 0.000 |    |    |     | 1355.49 |            |
| 25  | 0.6483           | 1076.1            | 1095.2            |                      | 0.263 | 3.560 | 82.082 | 12.743 | 1.183 | 0.055 | 0.085 | 0.007 | 0.008 | 0.015 | 0.000 |    |    |     | 1360.18 |            |
| 26  | 0.6527           | 1087.0            | 1106.3            |                      | 0.178 | 3.439 | 81.083 | 13.984 | 1.155 | 0.050 | 0.082 | 0.007 | 0.008 | 0.016 | 0.000 |    |    |     | 1369.29 |            |
| 27  | 0.6525           | 1084.5            | 1103.7            |                      | 0.157 | 3.601 | 81.127 | 13.788 | 1.152 | 0.054 | 0.083 | 0.008 | 0.009 | 0.021 | 0.000 |    |    |     | 1366.39 |            |
| 28  | 0.6553           | 1078.7            | 1097.8            |                      | 0.260 | 4.069 | 80.959 | 13.012 | 1.499 | 0.067 | 0.102 | 0.008 | 0.008 | 0.016 | 0.000 |    |    |     | 1356.10 |            |
| 29  | 0.6464           | 1061.4            | 1080.2            |                      | 0.355 | 4.137 | 82.443 | 11.727 | 1.180 | 0.052 | 0.084 | 0.006 | 0.006 | 0.012 | 0.000 |    |    |     | 1343.55 |            |
| 30  | 0.6380           | 1046.5            | 1065.0            |                      | 0.455 | 4.109 | 84.114 | 10.102 | 1.088 | 0.044 | 0.070 | 0.005 | 0.005 | 0.008 | 0.000 |    |    |     | 1333.26 |            |
| Avg | 0.6739           | 1107.0            | 1126.3            |                      | 0.412 | 3.874 | 77.815 | 15.792 | 1.839 | 0.086 | 0.146 | 0.011 | 0.011 | 0.014 | 0.000 |    |    |     | 1372.00 |            |

*Zone 172*

**GQ Source Daily Summary**

September 2008

Number: 061

Name: CLEVELAND PLANT GRAFTON

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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   | Crit'herm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|---------|-----------|
| 1   | 0.6711           | 1107.1            | 1126.7            |                      | 0.250 | 3.838 | 78.327 | 15.431 | 1.865 | 0.095 | 0.154 | 0.012 | 0.013 | 0.016 | 0.000 |    |    |     | 1375.38 |           |
| 2   | 0.6826           | 1111.2            | 1130.8            |                      | 0.446 | 4.367 | 76.196 | 16.703 | 2.007 | 0.091 | 0.153 | 0.011 | 0.011 | 0.015 | 0.000 |    |    |     | 1368.85 |           |
| 3   | 0.6857           | 1123.4            | 1143.3            |                      | 0.474 | 3.872 | 75.981 | 17.094 | 2.262 | 0.106 | 0.171 | 0.012 | 0.012 | 0.017 | 0.000 |    |    |     | 1380.67 |           |
| 4   | 0.6851           | 1119.9            | 1139.7            |                      | 0.464 | 4.050 | 75.959 | 17.053 | 2.161 | 0.098 | 0.166 | 0.011 | 0.011 | 0.025 | 0.000 |    |    |     | 1376.90 |           |
| 5   | 0.7003           | 1137.3            | 1157.5            |                      | 0.591 | 4.229 | 73.201 | 19.166 | 2.520 | 0.092 | 0.171 | 0.010 | 0.008 | 0.012 | 0.000 |    |    |     | 1383.13 |           |
| 6   | 0.7003           | 1138.3            | 1158.5            |                      | 0.586 | 4.165 | 73.223 | 19.193 | 2.544 | 0.093 | 0.174 | 0.010 | 0.008 | 0.011 | 0.000 |    |    |     | 1384.39 |           |
| 7   | 0.7001           | 1138.4            | 1158.5            |                      | 0.581 | 4.154 | 73.234 | 19.201 | 2.541 | 0.093 | 0.174 | 0.010 | 0.008 | 0.011 | 0.000 |    |    |     | 1384.59 |           |
| 8   | 0.6850           | 1124.0            | 1143.9            |                      | 0.478 | 3.763 | 75.934 | 17.436 | 2.090 | 0.096 | 0.164 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     | 1382.14 |           |
| 9   | 0.6849           | 1126.8            | 1146.8            |                      | 0.511 | 3.531 | 76.060 | 17.491 | 2.091 | 0.100 | 0.175 | 0.013 | 0.013 | 0.014 | 0.000 |    |    |     | 1385.70 |           |
| 10  | 0.6874           | 1128.7            | 1148.7            |                      | 0.538 | 3.608 | 75.647 | 17.730 | 2.151 | 0.104 | 0.183 | 0.013 | 0.013 | 0.014 | 0.000 |    |    |     | 1385.53 |           |
| 11  | 0.6872           | 1125.9            | 1145.8            |                      | 0.527 | 3.780 | 75.659 | 17.527 | 2.201 | 0.099 | 0.170 | 0.012 | 0.012 | 0.012 | 0.000 |    |    |     | 1382.20 |           |
| 12  | 0.6871           | 1126.7            | 1146.7            |                      | 0.528 | 3.723 | 75.673 | 17.568 | 2.208 | 0.098 | 0.167 | 0.012 | 0.011 | 0.012 | 0.000 |    |    |     | 1383.27 |           |
| 13  | 0.6869           | 1124.6            | 1144.5            |                      | 0.527 | 3.829 | 75.751 | 17.371 | 2.198 | 0.103 | 0.182 | 0.013 | 0.013 | 0.012 | 0.000 |    |    |     | 1380.93 |           |
| 14  | 0.6867           | 1124.3            | 1144.2            |                      | 0.521 | 3.840 | 75.765 | 17.369 | 2.181 | 0.104 | 0.181 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1380.72 |           |
| 15  | 0.6871           | 1123.3            | 1143.2            |                      | 0.527 | 3.926 | 75.676 | 17.366 | 2.181 | 0.103 | 0.181 | 0.013 | 0.013 | 0.013 | 0.000 |    |    |     | 1379.18 |           |
| 16  | 0.6903           | 1125.8            | 1145.8            |                      | 0.538 | 4.055 | 75.161 | 17.612 | 2.293 | 0.106 | 0.192 | 0.014 | 0.014 | 0.014 | 0.000 |    |    |     | 1379.08 |           |
| 17  | 0.6894           | 1124.2            | 1144.2            |                      | 0.528 | 4.086 | 75.269 | 17.515 | 2.280 | 0.105 | 0.180 | 0.013 | 0.012 | 0.012 | 0.000 |    |    |     | 1376.92 |           |
| 18  | 0.6867           | 1121.1            | 1141.0            |                      | 0.513 | 4.042 | 75.767 | 17.133 | 2.217 | 0.106 | 0.182 | 0.014 | 0.013 | 0.013 | 0.000 |    |    |     | 1378.01 |           |
| 19  | 0.6858           | 1117.7            | 1137.5            |                      | 0.511 | 4.170 | 75.932 | 16.860 | 2.190 | 0.108 | 0.188 | 0.014 | 0.014 | 0.013 | 0.000 |    |    |     | 1373.60 |           |
| 20  | 0.6728           | 1102.4            | 1122.0            |                      | 0.284 | 4.226 | 77.779 | 15.697 | 1.741 | 0.083 | 0.145 | 0.012 | 0.013 | 0.019 | 0.000 |    |    |     | 1367.87 |           |
| 21  | 0.6604           | 1091.8            | 1111.2            |                      | 0.203 | 3.835 | 79.952 | 14.298 | 1.464 | 0.077 | 0.126 | 0.012 | 0.013 | 0.019 | 0.000 |    |    |     | 1367.31 |           |
| 22  | 0.6496           | 1078.8            | 1097.9            |                      | 0.191 | 3.628 | 81.887 | 12.887 | 1.166 | 0.073 | 0.118 | 0.013 | 0.015 | 0.021 | 0.000 |    |    |     | 1362.16 |           |
| 23  | 0.6480           | 1077.7            | 1096.7            |                      | 0.208 | 3.520 | 82.122 | 12.817 | 1.141 | 0.063 | 0.093 | 0.009 | 0.010 | 0.018 | 0.000 |    |    |     | 1362.43 |           |
| 24  | 0.6484           | 1072.5            | 1091.5            |                      | 0.282 | 3.782 | 82.111 | 12.452 | 1.216 | 0.057 | 0.090 | 0.008 | 0.008 | 0.015 | 0.000 |    |    |     | 1355.46 |           |
| 25  | 0.6483           | 1076.1            | 1095.2            |                      | 0.263 | 3.559 | 82.088 | 12.740 | 1.181 | 0.055 | 0.085 | 0.007 | 0.008 | 0.015 | 0.000 |    |    |     | 1360.18 |           |
| 26  | 0.6526           | 1087.0            | 1106.2            |                      | 0.178 | 3.430 | 81.095 | 13.981 | 1.155 | 0.050 | 0.082 | 0.007 | 0.008 | 0.016 | 0.000 |    |    |     | 1369.38 |           |
| 27  | 0.6524           | 1084.4            | 1103.6            |                      | 0.154 | 3.609 | 81.130 | 13.780 | 1.153 | 0.054 | 0.083 | 0.008 | 0.009 | 0.021 | 0.000 |    |    |     | 1366.34 |           |
| 28  | 0.6552           | 1078.2            | 1097.3            |                      | 0.257 | 4.082 | 80.963 | 13.015 | 1.485 | 0.066 | 0.100 | 0.008 | 0.008 | 0.016 | 0.000 |    |    |     | 1355.70 |           |
| 29  | 0.6464           | 1061.8            | 1080.6            |                      | 0.354 | 4.113 | 82.456 | 11.737 | 1.179 | 0.053 | 0.084 | 0.006 | 0.006 | 0.012 | 0.000 |    |    |     | 1344.04 |           |
| 30  | 0.6381           | 1046.6            | 1065.1            |                      | 0.454 | 4.107 | 84.104 | 10.117 | 1.086 | 0.044 | 0.070 | 0.005 | 0.005 | 0.008 | 0.000 |    |    |     | 1333.37 |           |
| AVG | 0.6747           | 1108.0            | 1127.1            |                      | 0.416 | 3.897 | 77.670 | 15.878 | 1.872 | 0.086 | 0.146 | 0.011 | 0.011 | 0.015 | 0.000 |    |    |     | 1372.18 |           |

*Zone 273*

**GQ Source Daily Summary**

September 2008

Number: 041

Name: BISMARCK PLANT DICKINSON PLANT

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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 | Crit'herm |  |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|-------|-----------|--|
| 1   | 0.6265           | 1026.0            | 1044.2            |                      | 0.581 | 4.086 | 86.568 | 7.600  | 1.035 | 0.045 | 0.064 | 0.007 | 0.004 | 0.009 | 0.000 |    |    |     |       | 1319.20   |  |
| 2   | 0.6166           | 1012.0            | 1029.9            |                      | 0.650 | 3.907 | 88.491 | 5.982  | 0.847 | 0.045 | 0.055 | 0.008 | 0.005 | 0.011 | 0.000 |    |    |     |       | 1311.58   |  |
| 3   | 0.6126           | 1006.6            | 1024.4            |                      | 0.568 | 3.987 | 89.125 | 5.423  | 0.787 | 0.041 | 0.040 | 0.007 | 0.004 | 0.010 | 0.000 |    |    |     |       | 1308.79   |  |
| 4   | 0.6088           | 998.9             | 1016.6            |                      | 0.511 | 4.180 | 89.622 | 4.946  | 0.660 | 0.031 | 0.040 | 0.004 | 0.001 | 0.006 | 0.000 |    |    |     |       | 1302.92   |  |
| 5   | 0.6146           | 1011.3            | 1029.2            |                      | 0.548 | 3.907 | 88.780 | 5.828  | 0.820 | 0.044 | 0.051 | 0.008 | 0.005 | 0.011 | 0.000 |    |    |     |       | 1312.90   |  |
| 6   | 0.6281           | 1034.1            | 1052.4            |                      | 0.491 | 3.877 | 86.285 | 8.110  | 1.094 | 0.052 | 0.066 | 0.009 | 0.006 | 0.011 | 0.000 |    |    |     |       | 1327.94   |  |
| 7   | 0.6339           | 1041.6            | 1060.0            |                      | 0.578 | 3.839 | 85.294 | 8.950  | 1.182 | 0.054 | 0.079 | 0.008 | 0.006 | 0.011 | 0.000 |    |    |     |       | 1331.35   |  |
| 8   | 0.6360           | 1040.5            | 1058.9            |                      | 0.575 | 4.106 | 84.772 | 9.218  | 1.198 | 0.043 | 0.071 | 0.005 | 0.004 | 0.007 | 0.000 |    |    |     |       | 1327.76   |  |
| 9   | 0.6860           | 1127.5            | 1147.5            |                      | 0.479 | 3.652 | 75.849 | 17.550 | 2.161 | 0.101 | 0.170 | 0.012 | 0.011 | 0.015 | 0.000 |    |    |     |       | 1385.38   |  |
| 10  | 0.6862           | 1129.3            | 1149.3            |                      | 0.518 | 3.502 | 75.853 | 17.682 | 2.125 | 0.103 | 0.179 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     |       | 1387.39   |  |
| 11  | 0.6875           | 1128.3            | 1148.2            |                      | 0.529 | 3.669 | 75.587 | 17.747 | 2.158 | 0.101 | 0.172 | 0.011 | 0.011 | 0.013 | 0.000 |    |    |     |       | 1384.81   |  |
| 12  | 0.6874           | 1127.1            | 1147.1            |                      | 0.517 | 3.748 | 75.638 | 17.567 | 2.224 | 0.101 | 0.172 | 0.011 | 0.010 | 0.012 | 0.000 |    |    |     |       | 1383.51   |  |
| 13  | 0.6872           | 1127.1            | 1147.0            |                      | 0.522 | 3.723 | 75.681 | 17.557 | 2.213 | 0.101 | 0.171 | 0.011 | 0.011 | 0.012 | 0.000 |    |    |     |       | 1383.66   |  |
| 14  | 0.6871           | 1125.7            | 1145.6            |                      | 0.514 | 3.898 | 75.688 | 17.486 | 2.179 | 0.104 | 0.182 | 0.012 | 0.012 | 0.014 | 0.000 |    |    |     |       | 1382.10   |  |
| 15  | 0.6880           | 1125.5            | 1145.4            |                      | 0.510 | 3.908 | 75.606 | 17.371 | 2.267 | 0.107 | 0.191 | 0.013 | 0.013 | 0.012 | 0.000 |    |    |     |       | 1380.96   |  |
| 16  | 0.6892           | 1125.6            | 1145.5            |                      | 0.540 | 3.966 | 75.410 | 17.469 | 2.282 | 0.105 | 0.186 | 0.013 | 0.013 | 0.016 | 0.000 |    |    |     |       | 1379.90   |  |
| 17  | 0.6879           | 1123.1            | 1142.9            |                      | 0.513 | 4.043 | 75.622 | 17.222 | 2.266 | 0.105 | 0.184 | 0.013 | 0.013 | 0.019 | 0.000 |    |    |     |       | 1378.03   |  |
| 18  | 0.6854           | 1120.9            | 1140.7            |                      | 0.509 | 3.946 | 76.089 | 16.914 | 2.205 | 0.106 | 0.184 | 0.014 | 0.014 | 0.019 | 0.000 |    |    |     |       | 1377.88   |  |
| 19  | 0.6837           | 1113.8            | 1133.5            |                      | 0.450 | 4.307 | 76.224 | 16.575 | 2.113 | 0.100 | 0.181 | 0.014 | 0.014 | 0.021 | 0.000 |    |    |     |       | 1370.89   |  |
| 20  | 0.6791           | 1112.9            | 1132.6            |                      | 0.389 | 4.026 | 76.994 | 16.272 | 2.009 | 0.096 | 0.166 | 0.013 | 0.013 | 0.021 | 0.000 |    |    |     |       | 1374.37   |  |
| 21  | 0.6536           | 1066.2            | 1085.1            |                      | 0.580 | 4.185 | 81.748 | 11.679 | 1.595 | 0.065 | 0.117 | 0.008 | 0.008 | 0.015 | 0.000 |    |    |     |       | 1341.88   |  |
| 22  | 0.6376           | 1039.8            | 1058.2            |                      | 0.606 | 4.245 | 84.839 | 8.687  | 1.422 | 0.064 | 0.114 | 0.008 | 0.009 | 0.006 | 0.000 |    |    |     |       | 1325.22   |  |
| 23  | 0.6361           | 1035.7            | 1054.0            |                      | 0.606 | 4.361 | 85.018 | 8.471  | 1.355 | 0.059 | 0.109 | 0.008 | 0.008 | 0.005 | 0.000 |    |    |     |       | 1321.48   |  |
| 24  | 0.6393           | 1037.9            | 1056.3            |                      | 0.650 | 4.448 | 84.432 | 8.890  | 1.401 | 0.055 | 0.106 | 0.007 | 0.007 | 0.004 | 0.000 |    |    |     |       | 1321.18   |  |
| 25  | 0.6358           | 1032.5            | 1050.8            |                      | 0.690 | 4.394 | 85.003 | 8.496  | 1.265 | 0.047 | 0.090 | 0.006 | 0.006 | 0.003 | 0.000 |    |    |     |       | 1317.81   |  |
| 26  | 0.6543           | 1098.0            | 1107.2            |                      | 0.204 | 3.490 | 81.082 | 13.698 | 1.324 | 0.060 | 0.101 | 0.009 | 0.010 | 0.022 | 0.000 |    |    |     |       | 1368.83   |  |
| 27  | 0.6428           | 1050.2            | 1068.8            |                      | 0.544 | 4.200 | 83.640 | 10.033 | 1.414 | 0.051 | 0.096 | 0.007 | 0.007 | 0.009 | 0.000 |    |    |     |       | 1332.95   |  |
| 28  | 0.6307           | 1028.8            | 1047.1            |                      | 0.596 | 4.286 | 85.796 | 8.039  | 1.154 | 0.043 | 0.073 | 0.005 | 0.005 | 0.003 | 0.000 |    |    |     |       | 1318.39   |  |
| 29  | 0.6254           | 1020.5            | 1038.6            |                      | 0.629 | 4.239 | 86.747 | 7.277  | 0.991 | 0.038 | 0.067 | 0.005 | 0.005 | 0.000 | 0.000 |    |    |     |       | 1313.33   |  |
| 30  | 0.6264           | 1023.1            | 1041.2            |                      | 0.621 | 4.189 | 86.681 | 7.288  | 1.081 | 0.045 | 0.082 | 0.006 | 0.005 | 0.003 | 0.000 |    |    |     |       | 1315.55   |  |
| AV9 | 0.6531           | 1069.0            | 1088.3            |                      | 0.541 | 4.008 | 81.805 | 11.868 | 1.561 | 0.070 | 0.119 | 0.009 | 0.008 | 0.011 | 0.000 |    |    |     |       | 1346.26   |  |

*Zone 28*

**GQ Source Daily Summary**

September 2008

Number: 271

Name: DICKINSON BORDER

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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 | Critherm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|-------|----------|
| 1   | 0.6243           | 1021.9            | 1040.0            |                      | 0.631 | 4.050 | 86.972 | 7.249 | 0.983 | 0.041 | 0.058 | 0.000 | 0.000 | 0.017 | 0.000 |    |    |     |       | 1316.17  |
| 2   | 0.6158           | 1010.5            | 1028.4            |                      | 0.654 | 3.901 | 88.608 | 5.899 | 0.828 | 0.041 | 0.050 | 0.000 | 0.000 | 0.019 | 0.000 |    |    |     |       | 1310.55  |
| 3   | 0.6117           | 1005.6            | 1023.4            |                      | 0.586 | 3.920 | 89.298 | 5.324 | 0.769 | 0.039 | 0.046 | 0.000 | 0.000 | 0.018 | 0.000 |    |    |     |       | 1308.54  |
| 4   | 0.6093           | 999.5             | 1017.2            |                      | 0.538 | 4.137 | 89.551 | 5.036 | 0.660 | 0.028 | 0.036 | 0.000 | 0.000 | 0.014 | 0.000 |    |    |     |       | 1303.17  |
| 5   | 0.6138           | 1008.8            | 1026.6            |                      | 0.590 | 3.917 | 88.929 | 5.643 | 0.815 | 0.041 | 0.047 | 0.000 | 0.000 | 0.018 | 0.000 |    |    |     |       | 1310.42  |
| 6   | 0.6245           | 1028.5            | 1046.7            |                      | 0.501 | 3.858 | 86.917 | 7.554 | 1.046 | 0.047 | 0.059 | 0.000 | 0.000 | 0.017 | 0.000 |    |    |     |       | 1324.51  |
| 7   | 0.6226           | 1023.2            | 1041.3            |                      | 0.581 | 3.884 | 87.268 | 7.194 | 0.962 | 0.039 | 0.056 | 0.000 | 0.000 | 0.016 | 0.000 |    |    |     |       | 1319.65  |
| 8   | 0.6288           | 1026.3            | 1044.4            |                      | 0.578 | 4.284 | 86.001 | 7.976 | 1.063 | 0.030 | 0.054 | 0.000 | 0.000 | 0.013 | 0.000 |    |    |     |       | 1317.11  |
| 9   | 0.6196           | 1014.3            | 1032.3            |                      | 0.491 | 4.279 | 87.485 | 6.870 | 0.805 | 0.022 | 0.036 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1311.44  |
| 10  | 0.5979           | 977.8             | 995.1             |                      | 0.511 | 4.435 | 91.441 | 3.189 | 0.384 | 0.009 | 0.018 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1286.92  |
| 11  | 0.5988           | 978.4             | 995.7             |                      | 0.560 | 4.403 | 91.437 | 3.086 | 0.454 | 0.018 | 0.030 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1286.79  |
| 12  | 0.6203           | 1013.3            | 1031.3            |                      | 0.636 | 4.181 | 88.014 | 5.905 | 1.083 | 0.067 | 0.096 | 0.002 | 0.001 | 0.016 | 0.000 |    |    |     |       | 1309.38  |
| 13  | 0.6222           | 1020.5            | 1038.5            |                      | 0.534 | 4.083 | 87.295 | 7.003 | 0.960 | 0.047 | 0.062 | 0.000 | 0.000 | 0.015 | 0.000 |    |    |     |       | 1316.59  |
| 14  | 0.6226           | 1021.9            | 1040.0            |                      | 0.530 | 4.036 | 87.175 | 7.219 | 0.925 | 0.042 | 0.058 | 0.000 | 0.000 | 0.016 | 0.000 |    |    |     |       | 1318.04  |
| 15  | 0.6214           | 1020.9            | 1039.0            |                      | 0.548 | 3.955 | 87.462 | 6.990 | 0.924 | 0.045 | 0.059 | 0.000 | 0.000 | 0.017 | 0.000 |    |    |     |       | 1318.05  |
| 16  | 0.6206           | 1020.8            | 1038.9            |                      | 0.505 | 3.953 | 87.447 | 7.151 | 0.853 | 0.034 | 0.044 | 0.000 | 0.000 | 0.014 | 0.000 |    |    |     |       | 1318.74  |
| 17  | 0.6268           | 1025.7            | 1043.9            |                      | 0.426 | 4.360 | 86.150 | 7.994 | 0.984 | 0.027 | 0.049 | 0.000 | 0.000 | 0.011 | 0.000 |    |    |     |       | 1318.50  |
| 18  | 0.6242           | 1021.0            | 1039.1            |                      | 0.514 | 4.270 | 86.755 | 7.420 | 0.949 | 0.029 | 0.052 | 0.000 | 0.000 | 0.011 | 0.000 |    |    |     |       | 1315.18  |
| 19  | 0.6348           | 1035.4            | 1053.7            |                      | 0.599 | 4.262 | 85.079 | 8.656 | 1.265 | 0.044 | 0.084 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1322.49  |
| 20  | 0.6369           | 1039.9            | 1058.3            |                      | 0.579 | 4.208 | 84.862 | 8.772 | 1.398 | 0.060 | 0.108 | 0.000 | 0.000 | 0.013 | 0.000 |    |    |     |       | 1326.12  |
| 21  | 0.6337           | 1033.7            | 1052.0            |                      | 0.581 | 4.287 | 85.395 | 8.253 | 1.314 | 0.055 | 0.102 | 0.000 | 0.000 | 0.013 | 0.000 |    |    |     |       | 1321.49  |
| 22  | 0.6369           | 1034.3            | 1052.6            |                      | 0.634 | 4.467 | 84.883 | 8.434 | 1.401 | 0.056 | 0.112 | 0.000 | 0.000 | 0.013 | 0.000 |    |    |     |       | 1318.95  |
| 23  | 0.6375           | 1035.9            | 1054.3            |                      | 0.644 | 4.411 | 84.677 | 8.752 | 1.358 | 0.049 | 0.097 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1320.43  |
| 24  | 0.6366           | 1034.5            | 1052.8            |                      | 0.652 | 4.400 | 84.808 | 8.687 | 1.301 | 0.048 | 0.092 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1319.55  |
| 25  | 0.6357           | 1035.1            | 1053.4            |                      | 0.573 | 4.396 | 84.936 | 8.618 | 1.331 | 0.046 | 0.087 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1321.28  |
| 26  | 0.6323           | 1030.1            | 1048.3            |                      | 0.554 | 4.417 | 85.556 | 8.015 | 1.333 | 0.041 | 0.072 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1318.34  |
| 27  | 0.6255           | 1021.9            | 1040.0            |                      | 0.585 | 4.229 | 86.688 | 7.359 | 1.022 | 0.038 | 0.068 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1314.95  |
| 28  | 0.6251           | 1020.6            | 1038.7            |                      | 0.626 | 4.213 | 86.744 | 7.329 | 0.982 | 0.033 | 0.061 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1313.66  |
| 29  | 0.6232           | 1018.2            | 1036.3            |                      | 0.621 | 4.177 | 87.164 | 6.949 | 0.972 | 0.037 | 0.069 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1312.71  |
| 30  | 0.6235           | 1019.6            | 1037.7            |                      | 0.584 | 4.208 | 87.117 | 6.958 | 1.018 | 0.045 | 0.078 | 0.000 | 0.000 | 0.012 | 0.000 |    |    |     |       | 1314.17  |
| Avg | 0.6236           | 1020.0            | 1038.0            |                      | 0.571 | 4.186 | 87.071 | 7.050 | 1.005 | 0.040 | 0.065 | 0.000 | 0.000 | 0.014 | 0.000 |    |    |     |       | 1314.46  |

*Zone 31*

**GQ Source Daily Summary**

September 2008

Number: 051

Name: CABIN CREEK DICKINSON PLANT

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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   | Crit'herm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|---------|-----------|
| 1   | 0.6027           | 983.4             | 1000.8            |                      | 0.694 | 4.267 | 91.394 | 2.610 | 0.911 | 0.044 | 0.061 | 0.008 | 0.005 | 0.005 | 0.000 |    |    |     | 1289.07 |           |
| 2   | 0.5994           | 981.8             | 999.2             |                      | 0.651 | 4.123 | 91.916 | 2.411 | 0.773 | 0.049 | 0.055 | 0.009 | 0.005 | 0.007 | 0.000 |    |    |     | 1290.49 |           |
| 3   | 0.5920           | 970.6             | 987.8             |                      | 0.578 | 4.211 | 93.224 | 1.197 | 0.687 | 0.040 | 0.048 | 0.007 | 0.004 | 0.005 | 0.000 |    |    |     | 1283.89 |           |
| 4   | 0.6085           | 997.0             | 1014.7            |                      | 0.546 | 4.210 | 89.763 | 4.709 | 0.679 | 0.035 | 0.043 | 0.006 | 0.004 | 0.004 | 0.000 |    |    |     | 1300.76 |           |
| 5   | 0.6185           | 1017.2            | 1035.2            |                      | 0.534 | 3.936 | 88.085 | 6.395 | 0.920 | 0.050 | 0.059 | 0.009 | 0.008 | 0.006 | 0.000 |    |    |     | 1316.28 |           |
| 6   | 0.6215           | 1025.8            | 1044.0            |                      | 0.369 | 3.943 | 87.472 | 7.026 | 1.034 | 0.061 | 0.070 | 0.011 | 0.008 | 0.007 | 0.000 |    |    |     | 1324.28 |           |
| 7   | 0.6215           | 1025.8            | 1044.0            |                      | 0.369 | 3.943 | 87.472 | 7.026 | 1.034 | 0.061 | 0.070 | 0.011 | 0.008 | 0.007 | 0.000 |    |    |     | 1324.28 |           |
| 8   | 0.6231           | 1015.5            | 1033.5            |                      | 0.536 | 4.476 | 86.940 | 7.043 | 0.917 | 0.030 | 0.049 | 0.004 | 0.004 | 0.001 | 0.000 |    |    |     | 1309.23 |           |
| 9   | 0.6036           | 986.7             | 1004.1            |                      | 0.542 | 4.388 | 90.498 | 4.010 | 0.496 | 0.023 | 0.033 | 0.004 | 0.004 | 0.002 | 0.000 |    |    |     | 1292.41 |           |
| 10  | 0.5949           | 969.0             | 986.2             |                      | 0.532 | 4.658 | 92.046 | 2.371 | 0.347 | 0.016 | 0.026 | 0.002 | 0.002 | 0.001 | 0.000 |    |    |     | 1278.65 |           |
| 11  | 0.6031           | 982.7             | 1000.1            |                      | 0.667 | 4.389 | 90.916 | 3.321 | 0.602 | 0.036 | 0.054 | 0.006 | 0.005 | 0.004 | 0.000 |    |    |     | 1287.81 |           |
| 12  | 0.6228           | 1018.8            | 1036.8            |                      | 0.599 | 4.141 | 87.562 | 6.389 | 1.116 | 0.073 | 0.097 | 0.010 | 0.008 | 0.005 | 0.000 |    |    |     | 1313.82 |           |
| 13  | 0.6221           | 1019.1            | 1037.1            |                      | 0.556 | 4.132 | 87.395 | 6.806 | 0.968 | 0.053 | 0.072 | 0.008 | 0.006 | 0.004 | 0.000 |    |    |     | 1314.87 |           |
| 14  | 0.6200           | 1016.8            | 1034.8            |                      | 0.537 | 4.103 | 87.656 | 6.719 | 0.865 | 0.043 | 0.058 | 0.008 | 0.006 | 0.005 | 0.000 |    |    |     | 1314.16 |           |
| 15  | 0.6218           | 1020.6            | 1038.7            |                      | 0.563 | 3.999 | 87.385 | 7.027 | 0.900 | 0.046 | 0.059 | 0.008 | 0.006 | 0.006 | 0.000 |    |    |     | 1317.16 |           |
| 16  | 0.6193           | 1014.0            | 1032.0            |                      | 0.530 | 4.213 | 87.681 | 6.657 | 0.829 | 0.033 | 0.048 | 0.005 | 0.004 | 0.002 | 0.000 |    |    |     | 1311.39 |           |
| 17  | 0.6257           | 1022.7            | 1040.8            |                      | 0.427 | 4.443 | 86.401 | 7.650 | 0.979 | 0.034 | 0.057 | 0.004 | 0.004 | 0.001 | 0.000 |    |    |     | 1315.79 |           |
| 18  | 0.6249           | 1019.1            | 1037.2            |                      | 0.593 | 4.335 | 86.759 | 7.227 | 0.977 | 0.035 | 0.064 | 0.004 | 0.004 | 0.001 | 0.000 |    |    |     | 1312.02 |           |
| 19  | 0.6382           | 1037.4            | 1055.8            |                      | 0.615 | 4.436 | 84.536 | 8.890 | 1.358 | 0.053 | 0.099 | 0.006 | 0.006 | 0.001 | 0.000 |    |    |     | 1321.59 |           |
| 20  | 0.6320           | 1029.3            | 1047.6            |                      | 0.627 | 4.325 | 85.891 | 7.618 | 1.345 | 0.063 | 0.113 | 0.008 | 0.008 | 0.003 | 0.000 |    |    |     | 1317.71 |           |
| 21  | 0.6279           | 1022.8            | 1040.9            |                      | 0.646 | 4.351 | 86.476 | 7.094 | 1.265 | 0.052 | 0.091 | 0.006 | 0.006 | 0.015 | 0.000 |    |    |     | 1313.61 |           |
| 22  | 0.6205           | 1010.2            | 1028.1            |                      | 0.640 | 4.406 | 88.068 | 5.337 | 1.284 | 0.066 | 0.114 | 0.010 | 0.010 | 0.066 | 0.000 |    |    |     | 1305.19 |           |
| 23  | 0.6200           | 1009.5            | 1027.3            |                      | 0.640 | 4.400 | 88.164 | 5.260 | 1.270 | 0.066 | 0.114 | 0.010 | 0.010 | 0.066 | 0.000 |    |    |     | 1304.71 |           |
| 24  | 0.6337           | 1029.2            | 1047.4            |                      | 0.643 | 4.475 | 85.506 | 7.797 | 1.384 | 0.058 | 0.105 | 0.007 | 0.008 | 0.017 | 0.000 |    |    |     | 1315.72 |           |
| 25  | 0.6394           | 1037.8            | 1056.2            |                      | 0.631 | 4.482 | 90.551 | 2.958 | 1.233 | 0.047 | 0.084 | 0.005 | 0.006 | 0.001 | 0.000 |    |    |     | 1320.86 |           |
| 26  | 0.6400           | 1038.6            | 1057.0            |                      | 0.630 | 4.480 | 93.578 | 0.000 | 1.178 | 0.046 | 0.077 | 0.005 | 0.005 | 0.001 | 0.000 |    |    |     | 1321.25 |           |
| 27  | 0.6400           | 1038.6            | 1057.0            |                      | 0.630 | 4.480 | 93.578 | 0.000 | 1.178 | 0.046 | 0.077 | 0.005 | 0.005 | 0.001 | 0.000 |    |    |     | 1321.25 |           |
| 28  | 0.6400           | 1038.6            | 1057.0            |                      | 0.630 | 4.480 | 93.578 | 0.000 | 1.178 | 0.046 | 0.077 | 0.005 | 0.005 | 0.001 | 0.000 |    |    |     | 1321.25 |           |
| 29  | 0.6400           | 1029.7            | 1047.9            |                      | 0.630 | 4.480 | 93.578 | 0.000 | 1.178 | 0.046 | 0.077 | 0.005 | 0.005 | 0.001 | 0.000 |    |    |     | 1309.91 |           |
| 30  | 0.6400           | 1019.9            | 1038.0            |                      | 0.630 | 4.480 | 93.578 | 0.000 | 1.178 | 0.046 | 0.077 | 0.005 | 0.005 | 0.001 | 0.000 |    |    |     | 1297.50 |           |
| AVG | 0.6219           | 1014.0            | 1032.2            |                      | 0.581 | 4.306 | 89.255 | 4.718 | 1.002 | 0.046 | 0.071 | 0.007 | 0.006 | 0.008 | 0.000 |    |    |     | 1308.90 |           |

Zone 32

**GQ Source Daily Summary**

September 2008

Number: 111

Name: LITTLE KNIFE PLANT

Pressure Base: 14.730

Temperature Base:

Contract Day: 1 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   | Crit'herm |
|-----|------------------|-------------------|-------------------|----------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-----------|
| 1   | 0.6651           | 1135.3            | 1155.4            |                      | 0.001 | 1.959 | 78.642 | 17.927 | 1.455 | 0.006 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1416.70 |           |
| 2   | 0.6627           | 1128.9            | 1148.9            |                      | 0.021 | 2.080 | 79.906 | 15.770 | 2.183 | 0.015 | 0.018 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.28 |           |
| 3   | 0.6621           | 1127.8            | 1147.8            |                      | 0.021 | 2.080 | 79.969 | 15.708 | 2.183 | 0.015 | 0.018 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1410.55 |           |
| 4   | 0.6743           | 1148.0            | 1168.3            |                      | 0.009 | 2.013 | 77.497 | 18.237 | 2.242 | 0.011 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1422.75 |           |
| 5   | 0.6756           | 1149.5            | 1169.8            |                      | 0.000 | 2.068 | 76.918 | 19.041 | 1.948 | 0.010 | 0.012 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1423.18 |           |
| 6   | 0.6763           | 1151.0            | 1171.4            |                      | 0.000 | 2.039 | 76.752 | 19.268 | 1.917 | 0.010 | 0.012 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1424.38 |           |
| 7   | 0.6714           | 1143.2            | 1163.4            |                      | 0.000 | 2.054 | 77.251 | 19.257 | 1.417 | 0.009 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1419.88 |           |
| 8   | 0.6720           | 1144.4            | 1164.6            |                      | 0.000 | 2.038 | 77.337 | 18.978 | 1.624 | 0.009 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1420.70 |           |
| 9   | 0.6734           | 1146.6            | 1166.9            |                      | 0.000 | 2.029 | 77.216 | 18.951 | 1.779 | 0.010 | 0.012 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1422.03 |           |
| 10  | 0.6735           | 1147.0            | 1167.3            |                      | 0.000 | 2.020 | 77.115 | 19.137 | 1.702 | 0.012 | 0.013 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1422.37 |           |
| 11  | 0.6686           | 1139.4            | 1159.6            |                      | 0.000 | 2.023 | 77.705 | 18.954 | 1.296 | 0.010 | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1418.13 |           |
| 12  | 0.6738           | 1147.1            | 1167.4            |                      | 0.000 | 2.031 | 77.411 | 18.486 | 2.047 | 0.011 | 0.012 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1422.29 |           |
| 13  | 0.6728           | 1145.8            | 1166.1            |                      | 0.000 | 2.028 | 77.226 | 19.046 | 1.677 | 0.010 | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1421.62 |           |
| 14  | 0.6724           | 1145.0            | 1165.3            |                      | 0.000 | 2.040 | 77.234 | 19.099 | 1.605 | 0.009 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1421.03 |           |
| 15  | 0.6746           | 1148.1            | 1168.4            |                      | 0.000 | 2.049 | 77.215 | 18.695 | 2.015 | 0.011 | 0.012 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1424.51 |           |
| 16  | 0.6762           | 1151.0            | 1171.4            |                      | 0.000 | 2.025 | 77.087 | 18.643 | 2.211 | 0.012 | 0.015 | 0.001 | 0.001 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 1425.17 |           |
| 17  | 0.6769           | 1152.2            | 1172.6            |                      | 0.000 | 2.022 | 76.945 | 18.780 | 2.225 | 0.012 | 0.013 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 1420.51 |           |
| 18  | 0.6719           | 1144.1            | 1164.4            |                      | 0.000 | 2.042 | 77.418 | 18.845 | 1.668 | 0.012 | 0.014 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.11 |           |
| 19  | 0.6561           | 1123.9            | 1143.8            |                      | 0.000 | 1.785 | 80.621 | 15.962 | 1.610 | 0.010 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1415.04 |           |
| 20  | 0.6578           | 1126.4            | 1146.3            |                      | 0.000 | 1.791 | 80.379 | 16.093 | 1.716 | 0.010 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1413.43 |           |
| 21  | 0.6607           | 1130.1            | 1150.1            |                      | 0.000 | 1.834 | 79.849 | 16.514 | 1.782 | 0.010 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1419.90 |           |
| 22  | 0.6698           | 1141.8            | 1162.1            |                      | 0.000 | 1.984 | 77.701 | 18.770 | 1.522 | 0.010 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1413.61 |           |
| 23  | 0.6585           | 1127.2            | 1147.2            |                      | 0.000 | 1.817 | 79.979 | 16.700 | 1.483 | 0.009 | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1415.37 |           |
| 24  | 0.6603           | 1130.1            | 1150.1            |                      | 0.000 | 1.802 | 79.955 | 16.416 | 1.805 | 0.010 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1418.12 |           |
| 25  | 0.6633           | 1134.9            | 1155.0            |                      | 0.000 | 1.795 | 79.482 | 16.750 | 1.950 | 0.011 | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1415.62 |           |
| 26  | 0.6606           | 1130.5            | 1150.5            |                      | 0.000 | 1.801 | 79.890 | 16.493 | 1.791 | 0.011 | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1411.29 |           |
| 27  | 0.6551           | 1122.4            | 1142.2            |                      | 0.000 | 1.783 | 80.691 | 16.032 | 1.471 | 0.011 | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.19 |           |
| 28  | 0.6561           | 1124.0            | 1143.9            |                      | 0.000 | 1.783 | 80.415 | 16.375 | 1.407 | 0.009 | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1412.45 |           |
| 29  | 0.6567           | 1124.7            | 1144.6            |                      | 0.000 | 1.795 | 80.454 | 16.158 | 1.573 | 0.010 | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1414.29 |           |
| 30  | 0.6602           | 1129.2            | 1149.2            |                      | 0.000 | 1.851 | 80.053 | 16.173 | 1.900 | 0.010 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 1418.10 |           |
| Avg | 0.6670           | 1138.0            | 1158.1            |                      | 0.002 | 1.949 | 78.544 | 17.709 | 1.773 | 0.011 | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 |         |           |

*Zone 33*

## Williston Basin Interstate Pipeline Co. GQ Source Analysis

|                            |                      |                              |         |
|----------------------------|----------------------|------------------------------|---------|
| <b>GQ Source Number:</b>   | 1202160              | <b>Specific Gravity:</b>     | 0.8060  |
| <b>GQ Source Name:</b>     | BOWMAN BORDER        | <b>BTU Base:</b>             | Dry     |
| <b>Effective Date:</b>     | 9/10/2008 9:00:00 AM | <b>Dry Heat Value:</b>       | 1175.53 |
| <b>Effective End Date:</b> | 1/18/2038 9:14:07 PM | <b>Wet Heat Value:</b>       | 1155.08 |
| <b>Pressure Base:</b>      | 14.730               | <b>As Deliv. Heat Value:</b> | 1175.53 |
| <b>Viscosity:</b>          |                      |                              |         |

|               |                  | <u>Mol %</u> | <u>Imported<br/>GPM</u> | <u>Calculated<br/>GPM</u> |
|---------------|------------------|--------------|-------------------------|---------------------------|
| C1            | Methane          | 54.088       |                         |                           |
| C2            | Ethane           | 28.258       |                         | 7.535                     |
| C3            | Propane          | 4.549        | 1.251                   | 1.250                     |
| IC4           | Iso-Butane       | 0.077        | 0.025                   | 0.025                     |
| NC4           | N-Butane         | 0.220        | 0.069                   | 0.069                     |
| IC5           | Iso-Pentane      | 0.010        | 0.004                   | 0.004                     |
| NC5           | N-Pentane        | 0.025        | 0.009                   | 0.009                     |
| C6+           | Hexanes Plus     | 0.003        | 0.001                   | 0.001                     |
| CO2           | Carbon Dioxide   | 2.284        |                         |                           |
| N2            | Nitrogen         | 10.484       |                         |                           |
| O2            | Oxygen           | 0.000        |                         |                           |
| HE            | Helium           |              |                         |                           |
| H2            | Hydrogen         |              |                         |                           |
| H2S           | Hydrogen Sulfide |              |                         |                           |
| <b>Totals</b> |                  | 99.998       | 1.359                   | 8.893                     |

**Sample Date:** 8/31/2008 12:00:00 AM  
**Sample Type:** Composite  
**Sample Tech:** sampler

**Sample Remarks:** Zone 34

**Analysis Remarks:**

## Williston Basin Interstate Pipeline Co. GQ Source Analysis

|                            |                      |                              |        |
|----------------------------|----------------------|------------------------------|--------|
| <b>GQ Source Number:</b>   | 1201140              | <b>Specific Gravity:</b>     | 0.5740 |
| <b>GQ Source Name:</b>     | EAGLE 8B ND          | <b>BTU Base:</b>             | Dry    |
| <b>Effective Date:</b>     | 7/1/2008 9:00:00 AM  | <b>Dry Heat Value:</b>       | 974.02 |
| <b>Effective End Date:</b> | 1/18/2038 9:14:07 PM | <b>Wet Heat Value:</b>       | 957.16 |
| <b>Pressure Base:</b>      | 14.730               | <b>As Deliv. Heat Value:</b> | 974.02 |
| <b>Viscosity:</b>          |                      |                              |        |

|               |                  | Mol %   | Imported<br>GPM | Calculated<br>GPM |
|---------------|------------------|---------|-----------------|-------------------|
| C1            | Methane          | 95.505  |                 |                   |
| C2            | Ethane           | 0.281   | 0.076           | 0.075             |
| C3            | Propane          | 0.009   | 0.002           | 0.002             |
| IC4           | Iso-Butane       | 0.007   | 0.002           | 0.002             |
| NC4           | N-Butane         | 0.000   | 0.000           |                   |
| IC5           | Iso-Pentane      | 0.000   | 0.000           |                   |
| NC5           | N-Pentane        | 0.000   | 0.000           |                   |
| C6+           | Hexanes Plus     | 0.000   | 0.000           | 0.000             |
| CO2           | Carbon Dioxide   | 0.072   |                 |                   |
| N2            | Nitrogen         | 4.126   |                 |                   |
| O2            | Oxygen           | 0.000   |                 |                   |
| HE            | Helium           | 0.000   |                 |                   |
| H2            | Hydrogen         | 0.000   |                 |                   |
| H2S           | Hydrogen Sulfide | 0.000   |                 |                   |
| <b>Totals</b> |                  | 100.000 | 0.080           | 0.080             |

**Sample Date:** 6/13/2006 9:00:00 AM  
**Sample Type:** Spot  
**Sample Tech:** MG  
**Sample Remarks:** *Zone 35*

**Analysis Remarks:**

| <b>NORTH DAKOTA HEATING VALUE ZONES</b> |                         |                                |
|---|-------------------------|--------------------------------|
| <b>ZONES</b>                            | <b>MEASURING DEVICE</b> | <b>LOCATION</b>                |
| 211                                     | Chromatograph           | Sidney Area                    |
| 24                                      | Monthly Sampler         | Williston Area                 |
| 25                                      | Monthly Sampler         | Watford City Area              |
| 261                                     | Chromatograph           | Williston – Tioga – Minot Line |
| 262                                     | Chromatograph           | Minot Area                     |
| 263                                     | Monthly Sampler         | Tioga – Portal                 |
| 264                                     | Monthly Sampler         | Williston – Ray                |
| 271                                     | Chromatograph           | Bismarck – Cleveland           |
| 272                                     | Chromatograph           | Cleveland – Mapleton           |
| 273                                     | Chromatograph           | Cleveland – Grafton            |
| 28                                      | Chromatograph           | Bismarck                       |
| 31                                      | Chromatograph           | Dickinson                      |
| 32                                      | Chromatograph           | Cabin Creek – Dickinson        |
| 33                                      | Chromatograph           | Killdeer                       |
| 34                                      | Monthly Sampler         | Bowman Area                    |
| 35                                      | Monthly Sampler         | Baker Field – North Dakota     |

MONTANA DAKOTA UTILITIES CO  
 NORTH DAKOTA  
 HEATING VALUE DATA  
 12 MONTH ACCUMULATIVE AT 14.73 psia, 60 f. DRY

| STATE | ZONE | ZONE BOUNDARY                  | 12 MONTH AVERAGE | SEPT 08 | AUG 08 | JULY 08 | JUNE 08 | MAY 08 | APR 08 | MAR 08 | FEB 08 | JAN 08 | DEC 07 | NOV 07 | OCT 07 | ZONE |
|-------|------|--------------------------------|------------------|---------|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| MT/ND | 211  | Sidney Area                    | 1150             | 1198    | 1194   | 1190    | 1195    | 1190   | 1180   | 1095   | 1028   | 1075   | 1124   | 1160   | 1170   | 21   |
| ND    | 24   | Williston Area                 | 1183             | 1175    | 1189   | 1193    | 1189    | 1193   | 1167   | 1160   | 1173   | 1181   | 1192   | 1195   | 1194   | 24   |
| ND    | 25   | Waitford City Area             | 1125             | 1129    | 1131   | 1130    | 1130    | 1130   | 1120   | 1119   | 1125   | 1126   | 1118   | 1118   | 1119   | 25   |
| ND    | 261  | Williston - Tioga - Minot Line | 1142             | 1130    | 1135   | 1148    | 1141    | 1147   | 1155   | 1140   | 1126   | 1136   | 1142   | 1147   | 1158   | 261  |
| ND    | 262  | Minot Area                     | 1144             | 1133    | 1141   | 1147    | 1144    | 1152   | 1156   | 1141   | 1127   | 1136   | 1143   | 1149   | 1159   | 262  |
| ND    | 263  | Tioga - Portal                 | 1133             | 1142    | 1145   | 1141    | 1132    | 1136   | 1127   | 1125   | 1130   | 1129   | 1132   | 1128   | 1129   | 263  |
| ND    | 264  | Williston - Ray                | 1184             | 1175    | 1189   | 1189    | 1189    | 1193   | 1167   | 0      | 0      | 0      | 0      | 0      | 0      | 264  |
| ND    | 271  | Bismarck - Cleveland           | 1114             | 1127    | 1140   | 1146    | 1142    | 1151   | 1138   | 1086   | 1053   | 1059   | 1063   | 1105   | 1158   | 271  |
| ND    | 272  | Cleveland - Mapleton           | 1114             | 1126    | 1140   | 1146    | 1142    | 1151   | 1137   | 1086   | 1052   | 1059   | 1062   | 1107   | 1158   | 272  |
| ND    | 273  | Cleveland - Grafton            | 1114             | 1127    | 1140   | 1146    | 1142    | 1151   | 1137   | 1086   | 1052   | 1059   | 1062   | 1107   | 1158   | 273  |
| ND    | 28   | Bismarck - Cabin Creek         | 1075             | 1088    | 1116   | 1147    | 1143    | 1135   | 1035   | 1023   | 1022   | 1017   | 1015   | 1030   | 1124   | 28   |
| ND    | 31   | Dickinson Area                 | 1028             | 1038    | 1044   | 1040    | 1032    | 1037   | 1023   | 1022   | 1021   | 1016   | 1014   | 1023   | 1023   | 31   |
| ND/MT | 32   | Cabin Creek - Dickinson        | 1024             | 1032    | 1036   | 1036    | 1027    | 1031   | 1019   | 1020   | 1019   | 1014   | 1012   | 1021   | 1020   | 32   |
| ND    | 33   | Kildeer                        | 1133             | 1158    | 1161   | 1158    | 1149    | 1146   | 1126   | 1122   | 1118   | 1114   | 1111   | 1118   | 1113   | 33   |
| ND    | 34   | Bowman Area                    | 1172             | 1176    | 1179   | 1170    | 1165    | 1167   | 1158   | 1161   | 1165   | 1174   | 1182   | 1189   | 1175   | 34   |
| ND    | 35   | Baker Field - North Dakota     | 976              | 974     | 974    | 974     | 976     | 976    | 976    | 976    | 976    | 976    | 976    | 976    | 976    | 35   |

| <b>THERMAL ZONE VARIANCE<br/>DOCUMENTATION</b> |                                |                               |
|--|--------------------------------|-------------------------------|
| <b>October 2008</b>                            |                                |                               |
| <b><i>ZONE</i></b>                             | <b><i>BTU<br/>VARIANCE</i></b> | <b><i>REASON</i></b>          |
| 28   | -28                            | Receipt from Cabin Creek Area |