

|                                                                                                                                                                             |                                                                                   |           |                                                                  |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| Calidad de Gas<br>Marzo 2021                                                                                                                                                |  |           | TRANSPORTADORA DE GAS DE TRANCOSO S.A. de C.V.                   |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
|                                                                                                                                                                             |                                                                                   |           | Origen                                                           |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
|                                                                                                                                                                             |                                                                                   |           | Punto de Interconexión con Gas Natural del Noroeste S.A. de C.V. |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
|                                                                                                                                                                             |                                                                                   |           | Destino                                                          |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
|                                                                                                                                                                             |                                                                                   |           | Trancoso, Zacatecas                                              |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
| Nota: La calidad del gas es proporcionada por el Proveedor quincenalmente posterior al periodo de consumo, por lo que la información se actualiza con la misma periodicidad |                                                                                   |           |                                                                  |           |           |           |           |           |           |           |           |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |     |
| Fecha                                                                                                                                                                       |                                                                                   | Lunes     | Martes                                                           | Miércoles | Jueves    | Viernes   | SABADO    | DOMINGO   | Lunes     | Martes    | Miércoles | Jueves    | Viernes  | SABADO    | DOMINGO   | Lunes     | Martes    | Miércoles | Jueves    | Viernes   | SABADO    | DOMINGO   | Lunes     | Martes    | Miércoles | Jueves    | Viernes   | SABADO    | DOMINGO   |     |
| Componente                                                                                                                                                                  |                                                                                   | %         | %                                                                | %         | %         | %         | %         | %         | %         | %         | %         | %         | %        | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         | %         |     |
| Metano                                                                                                                                                                      | Min. 83 %                                                                         | 93.738%   | 94.5596%                                                         | 94.4209%  | 93.9391%  | 91.9290%  | 90.7642%  | 90.0170%  | 92.4872%  | 92.2460%  | 92.9298%  | 94.7423%  | 92.6905% | 92.2866%  | 91.8304%  | 91.2168%  | 90.6320%  | 90.7227%  | 90.5818%  | 90.5997%  | 90.4484%  | 90.3820%  | 90.8675%  | 90.6726%  | 90.3238%  | 91.3488%  | 90.6130%  | 90.4462%  | 91.3821%  |     |
| Nitrogeno                                                                                                                                                                   | Max. 6.0%                                                                         | 1.2107%   | 1.0912%                                                          | 1.1530%   | 1.2849%   | 1.4480%   | 1.2921%   | 1.4308%   | 1.2432%   | 1.3490%   | 1.3482%   | 1.4552%   | 1.1969%  | 1.3146%   | 1.4833%   | 1.5134%   | 1.3088%   | 1.3235%   | 1.2544%   | 1.3423%   | 1.3402%   | 1.2243%   | 1.3534%   | 1.3419%   | 1.3028%   | 1.3659%   | 1.3752%   | 1.4224%   | 1.3726%   |     |
| Dioxido de carbono                                                                                                                                                          | Max. 3%                                                                           | 0.1562%   | 0.2951%                                                          | 0.2329%   | 0.0795%   | 0.0824%   | 0.2388%   | 0.1059%   | 0.2498%   | 0.0959%   | 0.1458%   | 0.0150%   | 0.2409%  | 0.2276%   | 0.1517%   | 0.1183%   | 0.1539%   | 0.1738%   | 0.1809%   | 0.1822%   | 0.1827%   | 0.1994%   | 0.1541%   | 0.1707%   | 0.2151%   | 0.1725%   | 0.1620%   | 0.1417%   | 0.1810%   |     |
| Etano                                                                                                                                                                       | Max. 11 %                                                                         | 5.1570%   | 3.9650%                                                          | 4.1002%   | 4.6160%   | 6.3261%   | 7.2909%   | 8.0089%   | 5.7708%   | 6.6946%   | 5.4187%   | 3.7265%   | 5.7827%  | 6.0768%   | 6.4373%   | 7.0265%   | 7.7177%   | 7.5439%   | 7.7797%   | 7.6801%   | 7.8187%   | 8.0318%   | 7.4401%   | 7.6188%   | 7.8430%   | 6.9535%   | 7.6528%   | 7.7897%   | 6.9272%   |     |
| Propano                                                                                                                                                                     |                                                                                   | 0.0974%   | 0.0762%                                                          | 0.0803%   | 0.0972%   | 0.2097%   | 0.3807%   | 0.4998%   | 0.2202%   | 0.2002%   | 0.1470%   | 0.5569%   | 0.0850%  | 0.0907%   | 0.1208%   | 0.1213%   | 0.1752%   | 0.2169%   | 0.1939%   | 0.1772%   | 0.1994%   | 0.1749%   | 0.1764%   | 0.1871%   | 0.2055%   | 0.1543%   | 0.1875%   | 0.1995%   | 0.1599%   |     |
| i-Butano                                                                                                                                                                    |                                                                                   | 0.0013%   | 0.0022%                                                          | 0.0018%   | 0.0012%   | 0.0023%   | 0.0080%   | 0.0087%   | 0.0070%   | 0.0048%   | 0.0027%   | 0.0012%   | 0.0013%  | 0.0016%   | 0.0026%   | 0.0022%   | 0.0046%   | 0.0067%   | 0.0046%   | 0.0038%   | 0.0047%   | 0.0034%   | 0.0037%   | 0.0041%   | 0.0043%   | 0.0036%   | 0.0043%   | 0.0045%   | 0.0035%   |     |
| n-Butano                                                                                                                                                                    |                                                                                   | 0.0018%   | 0.0024%                                                          | 0.0021%   | 0.0014%   | 0.0023%   | 0.0122%   | 0.0113%   | 0.0077%   | 0.0057%   | 0.0038%   | 0.0019%   | 0.0021%  | 0.0019%   | 0.0032%   | 0.0025%   | 0.0070%   | 0.0104%   | 0.0054%   | 0.0043%   | 0.0055%   | 0.0039%   | 0.0044%   | 0.0046%   | 0.0048%   | 0.0040%   | 0.0048%   | 0.0056%   | 0.0040%   |     |
| i-Pentano                                                                                                                                                                   |                                                                                   | 0.0002%   | 0.0006%                                                          | 0.0004%   | 0.0001%   | 0.0002%   | 0.0010%   | 0.0008%   | 0.0015%   | 0.0004%   | 0.0004%   | 0.0009%   | 0.0002%  | 0.0001%   | 0.0002%   | 0.0001%   | 0.0007%   | 0.0011%   | 0.0004%   | 0.0002%   | 0.0005%   | 0.0002%   | 0.0003%   | 0.0002%   | 0.0003%   | 0.0002%   | 0.0002%   | 0.0002%   | 0.0003%   |     |
| n-Pentano                                                                                                                                                                   |                                                                                   | 0.0018%   | 0.0044%                                                          | 0.0034%   | 0.0005%   | 0.0015%   | 0.0080%   | 0.0069%   | 0.0112%   | 0.0029%   | 0.0036%   | 0.0000%   | 0.0002%  | 0.0001%   | 0.0002%   | 0.0001%   | 0.0007%   | 0.0010%   | 0.0003%   | 0.0002%   | 0.0002%   | 0.0001%   | 0.0002%   | 0.0001%   | 0.0002%   | 0.0001%   | 0.0001%   | 0.0001%   | 0.0002%   |     |
| Hexano                                                                                                                                                                      |                                                                                   | 0.0000%   | 0.0000%                                                          | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0004%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%  | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   |     |
| Heptano                                                                                                                                                                     |                                                                                   | 0.0000%   | 0.0000%                                                          | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%  | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0001%   |     |
| Octano                                                                                                                                                                      |                                                                                   | 0.0000%   | 0.0000%                                                          | 0.0001%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%  | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   |     |
| C9+                                                                                                                                                                         |                                                                                   | 0.0000%   | 0.0000%                                                          | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0001%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%  | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   | 0.0000%   |     |
| Suma                                                                                                                                                                        |                                                                                   | 100.0000% | 100.0000%                                                        | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 99.9997% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% | 100.0000% |     |
| Poder calorifico base seco @ 10°C                                                                                                                                           | PC Condiciones PGB                                                                | 36.901    | 36.561                                                           | 36.605    | 36.749    | 37.214    | 37.606    | 37.794    | 37.112    | 37.254    | 36.949    | 36.561    | 36.825   | 37.071    | 37.168    | 37.339    | 37.607    | 37.576    | 37.645    | 37.576    | 37.613    | 37.701    | 37.503    | 37.570    | 37.658    | 37.368    | 37.565    | 37.602    | 37.358    |     |
| Gravedad Especifica                                                                                                                                                         |                                                                                   | 0.587310  | 0.582384                                                         | 0.582735  | 0.580953  | 0.594856  | 0.602159  | 0.605009  | 0.592669  | 0.593504  | 0.589651  | 0.588046  | 0.587472 | 0.593063  | 0.594953  | 0.598366  | 0.601216  | 0.601117  | 0.601704  | 0.601360  | 0.602397  | 0.602728  | 0.599764  | 0.601252  | 0.603045  | 0.597657  | 0.601382  | 0.601992  | 0.597128  |     |
| Punto de Rocio °C                                                                                                                                                           | -2.00                                                                             | -69.83    | -72.36                                                           | -71.15    | -62.56    | -66.13    | -61.28    | -59.69    | -58.10    | -66.49    | -68.65    | -68.65    | -68.18   | -67.69    | -66.61    | -65.29    | -62.92    | -62.78    | -62.69    | -63.09    | -62.58    | -62.32    | -63.71    | -63.18    | -62.22    | -65.04    | -63.11    | -62.77    | -65.01    |     |
| H2O (mg/m3)                                                                                                                                                                 | 110.00                                                                            | 1.8589    | 3.3800                                                           | 2.8108    | 2.1717    | 1.8603    | 0.9107    | 0.0841    | 0.6039    | 2.8108    | 2.1717    | 0.6181    | 0.6525   | 0.6349    | 0.6256    | 0.5872    | 0.5871    | 0.6060    | 0.6162    | 0.5988    | 0.5888    | 0.5888    | 0.6142    | 0.5946    | 0.5997    | 0.6301    | 0.5871    | 0.6370    | 0.6869    |     |
| Wobbe MJ / m3                                                                                                                                                               | 48.20 - 53.20 Min. - Max.                                                         | 50.64     | 50.39                                                            | 50.43     | 50.58     | 50.77     | 50.95     | 51.11     | 50.68     | 50.79     | 50.61     | 50.37     | 50.66    | 50.65     | 50.69     | 50.78     | 51.02     | 50.98     | 51.04     | 50.96     | 50.99     | 51.08     | 50.94     | 50.96     | 51.01     | 50.83     | 50.96     | 50.97     | 50.84     |     |
| O2 %                                                                                                                                                                        | 0.20%                                                                             | N/A       | N/A                                                              | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A      | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A       | N/A |
| H2S (mg/m3)                                                                                                                                                                 | 6.00                                                                              | 0.0117    | 0.0931                                                           | 0.0698    | 0.0209    | 0.0180    | 0.0152    | 0.0132    | 0.2800    | 0.0262    | 0.0318    | 0.0265    | 0.0164   | 0.0188    | 0.0222    | 0.0275    | 0.0259    | 0.0265    | 0.0256    | 0.0250    | 0.0214    | 0.0264    | 0.0159    | 0.0274    | 0.0302    | 0.0549    | 0.0431    | 0.0493    | 0.0235    |     |
| Total de inertes                                                                                                                                                            | Max. 6.0%                                                                         | 1.37%     | 1.39%                                                            | 1.39%     | 1.34%     | 1.53%     | 1.53%     | 1.54%     | 1.49%     | 1.44%     | 1.49%     | 1.47%     | 1.44%    | 1.54%     | 1.61%     | 1.63%     | 1.46%     | 1.50%     | 1.43%     | 1.52%     | 1.52%     | 1.42%     | 1.51%     | 1.51%     | 1.52%     | 1.54%     | 1.54%     | 1.56%     | 1.52%     |     |
| Azufre Total (mg/m3)                                                                                                                                                        | 150                                                                               | 0.0063    | 0.0116                                                           | 0.0245    | 0.0058    | 0.0171    | 0.0215    | 0.1246    | 0.1797    | 0.1119    | 0.0250    | 0.0231    | 0.0251   | 0.0219    | 0.0189    | 0.0212    | 0.0246    | 0.0280    | 0.0300    | 0.0336    | 0.0271    | 0.0232    | 0.0610    | 0.0269    | 0.0321    | 0.6065    | 0.0156    | 0.0253    | 0.0166    |     |