

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: ESTACIÓN DE COMPRESIÓN FRONTERA  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m³) | Poder<br>Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido<br>Sulfhídrico<br>(mg/m³) | Azufre total*<br>(mg/m³) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|--------------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 01/11/2015           | 94.9834           | 0.7697                           | 0.3525               | 1.1222                   | 3.6606           | 265.4000                       | 50.2449            | 38.5825                        | 50.4674                 | 0.3820                          |                          |                     |
| 02/11/2015           | 95.1748           | 0.8348                           | 0.3210               | 1.1558                   | 3.4886           | 262.1200                       | 37.1898            | 38.4823                        | 50.3795                 | 0.4250                          |                          |                     |
| 03/11/2015           | 95.4750           | 0.7889                           | 0.3171               | 1.1060                   | 3.2392           | 260.4600                       | 31.0424            | 38.4294                        | 50.3830                 | 0.4120                          |                          |                     |
| 04/11/2015           | 95.4050           | 0.7704                           | 0.3523               | 1.1227                   | 3.2695           | 259.6400                       | 28.4091            | 38.4501                        | 50.3915                 | 0.4230                          |                          |                     |
| 05/11/2015           | 95.5725           | 0.7581                           | 0.3059               | 1.0640                   | 3.1451           | 261.2500                       | 33.9235            | 38.4461                        | 50.4190                 | 0.3912                          |                          |                     |
| 06/11/2015           | 95.9881           | 0.7408                           | 0.2980               | 1.0387                   | 2.8188           | 261.5300                       | 34.1637            | 38.3162                        | 50.3607                 | 0.3761                          |                          |                     |
| 07/11/2015           | 95.8950           | 0.7055                           | 0.3007               | 1.0063                   | 2.9408           | 261.2100                       | 35.6605            | 38.3661                        | 50.4127                 | 0.3257                          |                          |                     |
| 08/11/2015           | 96.1353           | 0.6590                           | 0.2741               | 0.9330                   | 2.7803           | 259.5900                       | 30.6092            | 38.3448                        | 50.4455                 | 0.2643                          |                          |                     |
| 09/11/2015           | 95.8618           | 0.5692                           | 0.2775               | 0.8467                   | 3.0294           | 259.0200                       | 27.9446            | 38.5253                        | 50.6094                 | 0.2075                          |                          |                     |
| 10/11/2015           | 95.7151           | 0.6888                           | 0.2853               | 0.9741                   | 3.0179           | 260.1000                       | 28.9449            | 38.5015                        | 50.5082                 | 0.2985                          |                          |                     |
| 11/11/2015           | 95.4278           | 0.6973                           | 0.2987               | 0.9959                   | 3.2717           | 261.3800                       | 32.8641            | 38.5716                        | 50.5359                 | 0.3745                          |                          |                     |
| 12/11/2015           | 95.3566           | 0.6866                           | 0.2848               | 0.9714                   | 3.3573           | 259.5600                       | 27.6237            | 38.6082                        | 50.5707                 | 0.3832                          |                          |                     |
| 13/11/2015           | 95.7470           | 0.7614                           | 0.2705               | 1.0319                   | 2.8608           | 258.5000                       | 24.7880            | 38.4977                        | 50.4613                 | 0.3901                          |                          |                     |
| 14/11/2015           | 95.9271           | 0.7072                           | 0.2685               | 0.9757                   | 2.8744           | 257.2300                       | 22.2082            | 38.4048                        | 50.4482                 | 0.2665                          |                          |                     |
| 15/11/2015           | 96.2508           | 0.6663                           | 0.2628               | 0.9292                   | 2.6725           | 255.8500                       | 19.6725            | 38.3122                        | 50.4270                 | 0.2853                          |                          |                     |
| 16/11/2015           | 96.0145           | 0.7202                           | 0.2801               | 1.0003                   | 2.8230           | 257.6900                       | 22.9960            | 38.3392                        | 50.3967                 | 0.3207                          |                          |                     |
| 17/11/2015           | 94.9684           | 0.7088                           | 0.3871               | 1.0959                   | 3.7089           | 255.2600                       | 18.3098            | 38.6021                        | 50.5051                 | 0.3067                          |                          |                     |
| 18/11/2015           | 95.1143           | 0.7350                           | 0.3192               | 1.0542                   | 3.6534           | 255.2900                       | 18.4872            | 38.5661                        | 50.4978                 | 0.3320                          |                          |                     |
| 19/11/2015           | 94.1654           | 0.7054                           | 0.3375               | 1.0429                   | 4.5106           | 255.2200                       | 19.0346            | 38.8800                        | 50.6886                 | 0.3626                          |                          |                     |
| 20/11/2015           | 94.6502           | 0.7645                           | 0.3663               | 1.1307                   | 3.8557           | 257.1800                       | 23.7494            | 38.7252                        | 50.5456                 | 0.3630                          |                          |                     |
| 21/11/2015           | 95.4103           | 0.8049                           | 0.2945               | 1.0994                   | 3.2252           | 259.0200                       | 28.4629            | 38.4969                        | 50.4202                 | 0.3570                          |                          |                     |
| 22/11/2015           | 95.7349           | 0.8223                           | 0.2693               | 1.0916                   | 2.9072           | 261.8600                       | 36.3503            | 38.4132                        | 50.3716                 | 0.3026                          |                          |                     |
| 23/11/2015           | 95.7133           | 0.7963                           | 0.2711               | 1.0674                   | 2.9749           | 260.7200                       | 33.5532            | 38.4225                        | 50.3945                 | 0.3289                          |                          |                     |
| 24/11/2015           | 95.6159           | 0.8311                           | 0.2777               | 1.1088                   | 3.0338           | 261.5700                       | 35.3294            | 38.4218                        | 50.3668                 | 0.3705                          |                          |                     |
| 25/11/2015           | 95.5504           | 0.8271                           | 0.2834               | 1.1105                   | 3.0666           | 260.0500                       | 31.4192            | 38.4551                        | 50.3858                 | 0.3513                          |                          |                     |
| 26/11/2015           | 95.4053           | 0.7808                           | 0.2917               | 1.0726                   | 3.2492           | 259.9300                       | 30.8770            | 38.5159                        | 50.4491                 | 0.3694                          |                          |                     |
| 27/11/2015           | 95.5655           | 0.7528                           | 0.2805               | 1.0333                   | 3.1576           | 261.2200                       | 34.3496            | 38.4835                        | 50.4555                 | 0.3447                          |                          |                     |
| 28/11/2015           | 95.8652           | 0.6958                           | 0.2719               | 0.9677                   | 2.9524           | 260.0500                       | 29.9181            | 38.4283                        | 50.4680                 | 0.3275                          |                          |                     |
| 29/11/2015           | 95.6200           | 0.8025                           | 0.2985               | 1.1010                   | 3.0504           | 259.5600                       | 29.0084            | 38.4164                        | 50.3742                 | 0.3450                          |                          |                     |
| 30/11/2015           | 95.3588           | 0.9100                           | 0.3085               | 1.2185                   | 3.1655           | 261.2400                       | 33.6236            | 38.4276                        | 50.3010                 | 0.4193                          |                          |                     |

\* / Los valores trimestrales se deberán reportar en los meses de enero, abril, julio y octubre de cada año, respecto del trimestre inmediato anterior.

|            |         |        |        |        |        |          |         |         |         |        |        |        |
|------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|--------|--------|
| Mínimo     | 94.1654 | 0.5692 | 0.2628 | 0.8467 | 2.6725 | 255.2200 | 18.3098 | 38.3122 | 50.3010 | 0.2075 | 0.0000 | 0.0000 |
| Promedio   | 95.5223 | 0.7487 | 0.3002 | 1.0489 | 3.1920 | 259.6233 | 29.6919 | 38.4811 | 50.4480 | 0.3469 |        |        |
| Máximo     | 96.2508 | 0.9100 | 0.3871 | 1.2185 | 4.5106 | 265.4000 | 50.2449 | 38.8800 | 50.6886 | 0.4250 | 0.0000 | 0.0000 |
| Desv. Est. | 0.4428  | 0.0675 | 0.0317 | 0.0785 | 0.3855 | 2.3261   | 6.7932  | 0.1203  | 0.0827  | 0.0511 |        |        |

Observaciones:

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: ESTACIÓN DE COMPRESIÓN FRONTERA  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Óxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocio<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido Sulfhídrico<br>(mg/m <sup>3</sup> ) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|------------------------------------------|--------------------------------------|-------------------------------------------|
| 01/11/2015           |                   |                                |                      |                          |                  | 270.7200                       | 79.1979                         |                                          | 50.5909                              | 0.8102                                    |
| 02/11/2015           |                   |                                |                      |                          |                  | 265.9100                       | 51.9533                         |                                          | 50.3892                              | 1.2013                                    |
| 03/11/2015           |                   |                                |                      |                          |                  | 264.5700                       | 44.7986                         |                                          | 50.4811                              | 1.0770                                    |
| 04/11/2015           |                   |                                |                      |                          |                  | 267.6300                       | 57.6372                         |                                          | 50.4673                              | 0.8867                                    |
| 05/11/2015           |                   |                                |                      |                          |                  | 264.9900                       | 47.2926                         |                                          | 50.5566                              | 0.8734                                    |
| 06/11/2015           |                   |                                |                      |                          |                  | 264.4600                       | 44.3480                         |                                          | 50.4197                              | 0.8605                                    |
| 07/11/2015           |                   |                                |                      |                          |                  | 262.9900                       | 41.8478                         |                                          | 50.4919                              | 0.6446                                    |
| 08/11/2015           |                   |                                |                      |                          |                  | 261.1700                       | 35.3438                         |                                          | 50.4798                              | 0.5916                                    |
| 09/11/2015           |                   |                                |                      |                          |                  | 260.6200                       | 32.3335                         |                                          | 50.7968                              | 0.5166                                    |
| 10/11/2015           |                   |                                |                      |                          |                  | 261.5500                       | 33.0078                         |                                          | 50.6078                              | 0.6665                                    |
| 11/11/2015           |                   |                                |                      |                          |                  | 262.6100                       | 36.6821                         |                                          | 50.5797                              | 0.6757                                    |
| 12/11/2015           |                   |                                |                      |                          |                  | 261.1200                       | 31.8306                         |                                          | 50.6744                              | 0.6684                                    |
| 13/11/2015           |                   |                                |                      |                          |                  | 260.7600                       | 30.4583                         |                                          | 50.5044                              | 0.7483                                    |
| 14/11/2015           |                   |                                |                      |                          |                  | 261.0300                       | 31.4457                         |                                          | 50.6363                              | 0.5158                                    |
| 15/11/2015           |                   |                                |                      |                          |                  | 259.0900                       | 26.5736                         |                                          | 50.4214                              | 0.5791                                    |
| 16/11/2015           |                   |                                |                      |                          |                  | 259.7600                       | 27.8247                         |                                          | 50.4666                              | 0.6240                                    |
| 17/11/2015           |                   |                                |                      |                          |                  | 256.5700                       | 20.7090                         |                                          | 50.5983                              | 0.6399                                    |
| 18/11/2015           |                   |                                |                      |                          |                  | 259.3100                       | 26.8702                         |                                          | 50.6339                              | 0.8069                                    |
| 19/11/2015           |                   |                                |                      |                          |                  | 258.7200                       | 26.3642                         |                                          | 50.9291                              | 0.8818                                    |
| 20/11/2015           |                   |                                |                      |                          |                  | 261.0000                       | 33.7057                         |                                          | 50.7957                              | 3.4870                                    |
| 21/11/2015           |                   |                                |                      |                          |                  | 262.1200                       | 37.6911                         |                                          | 50.3929                              | 0.8000                                    |
| 22/11/2015           |                   |                                |                      |                          |                  | 264.2000                       | 44.7513                         |                                          | 50.4236                              | 0.6446                                    |
| 23/11/2015           |                   |                                |                      |                          |                  | 263.2000                       | 41.8909                         |                                          | 50.4592                              | 0.9409                                    |
| 24/11/2015           |                   |                                |                      |                          |                  | 265.4400                       | 49.7682                         |                                          | 50.4470                              | 0.7586                                    |
| 25/11/2015           |                   |                                |                      |                          |                  | 262.6100                       | 39.5436                         |                                          | 50.4276                              | 0.6199                                    |
| 26/11/2015           |                   |                                |                      |                          |                  | 267.6500                       | 61.0611                         |                                          | 50.4967                              | 0.7869                                    |
| 27/11/2015           |                   |                                |                      |                          |                  | 266.2900                       | 53.7761                         |                                          | 50.4890                              | 0.6853                                    |
| 28/11/2015           |                   |                                |                      |                          |                  | 267.7300                       | 58.9643                         |                                          | 50.5272                              | 0.7489                                    |
| 29/11/2015           |                   |                                |                      |                          |                  | 267.6900                       | 59.5699                         |                                          | 50.4040                              | 2.4973                                    |
| 30/11/2015           |                   |                                |                      |                          |                  | 267.9900                       | 60.8507                         |                                          | 50.4002                              | 0.6458                                    |

|        |  |  |  |  |  |          |         |  |         |        |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|
| Máximo |  |  |  |  |  | 270.7200 | 79.1979 |  | 50.9291 | 3.4870 |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|

Observaciones:

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: ESTACIÓN DE COMPRESIÓN FRONTERA  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Óxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocío<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Ácido<br>Sulfhídrico<br>(mg/m³) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|
| 01/11/2015           |                   |                                |                      |                          |                  | 258.9900                       | 28.3194            |                             | 50.3083                 | 0.0102                          |
| 02/11/2015           |                   |                                |                      |                          |                  | 258.7100                       | 27.2982            |                             | 50.3456                 | 0.0471                          |
| 03/11/2015           |                   |                                |                      |                          |                  | 254.3700                       | 17.6412            |                             | 50.3534                 | 0.0826                          |
| 04/11/2015           |                   |                                |                      |                          |                  | 254.9200                       | 18.3299            |                             | 50.3706                 | 0.1195                          |
| 05/11/2015           |                   |                                |                      |                          |                  | 258.7000                       | 26.9030            |                             | 50.3040                 | 0.0537                          |
| 06/11/2015           |                   |                                |                      |                          |                  | 259.4000                       | 28.1778            |                             | 50.3336                 | 0.0909                          |
| 07/11/2015           |                   |                                |                      |                          |                  | 259.2600                       | 29.8723            |                             | 50.3208                 | -0.0203                         |
| 08/11/2015           |                   |                                |                      |                          |                  | 258.1500                       | 26.8168            |                             | 50.4060                 | 0.0741                          |
| 09/11/2015           |                   |                                |                      |                          |                  | 257.9600                       | 25.3481            |                             | 50.5013                 | -0.0478                         |
| 10/11/2015           |                   |                                |                      |                          |                  | 258.7600                       | 25.6242            |                             | 50.4720                 | 0.0405                          |
| 11/11/2015           |                   |                                |                      |                          |                  | 258.8300                       | 26.0450            |                             | 50.4624                 | 0.0465                          |
| 12/11/2015           |                   |                                |                      |                          |                  | 256.6300                       | 21.0785            |                             | 50.5038                 | 0.0661                          |
| 13/11/2015           |                   |                                |                      |                          |                  | 256.5700                       | 20.7244            |                             | 50.4562                 | 0.0330                          |
| 14/11/2015           |                   |                                |                      |                          |                  | 252.7400                       | 14.5344            |                             | 50.4164                 | 0.1122                          |
| 15/11/2015           |                   |                                |                      |                          |                  | 253.1300                       | 15.1862            |                             | 50.4087                 | 0.0374                          |
| 16/11/2015           |                   |                                |                      |                          |                  | 255.0100                       | 17.9040            |                             | 50.3945                 | 0.0479                          |
| 17/11/2015           |                   |                                |                      |                          |                  | 253.5300                       | 15.5362            |                             | 50.4285                 | 0.0491                          |
| 18/11/2015           |                   |                                |                      |                          |                  | 250.6200                       | 11.7992            |                             | 50.4473                 | 0.0462                          |
| 19/11/2015           |                   |                                |                      |                          |                  | 251.3500                       | 13.1427            |                             | 50.5816                 | 0.0114                          |
| 20/11/2015           |                   |                                |                      |                          |                  | 254.5700                       | 18.5793            |                             | 50.4073                 | 0.0760                          |
| 21/11/2015           |                   |                                |                      |                          |                  | 257.3100                       | 24.3146            |                             | 50.3901                 | 0.0760                          |
| 22/11/2015           |                   |                                |                      |                          |                  | 260.0400                       | 30.8350            |                             | 50.3012                 | 0.0485                          |
| 23/11/2015           |                   |                                |                      |                          |                  | 258.6400                       | 27.7364            |                             | 50.3533                 | 0.0484                          |
| 24/11/2015           |                   |                                |                      |                          |                  | 259.0900                       | 28.2034            |                             | 50.2794                 | 0.0272                          |
| 25/11/2015           |                   |                                |                      |                          |                  | 252.5200                       | 15.5126            |                             | 50.3141                 | 0.0843                          |
| 26/11/2015           |                   |                                |                      |                          |                  | 253.5400                       | 17.0008            |                             | 50.3966                 | 0.0476                          |
| 27/11/2015           |                   |                                |                      |                          |                  | 255.6100                       | 20.4965            |                             | 50.5022                 | 0.0482                          |
| 28/11/2015           |                   |                                |                      |                          |                  | 250.5900                       | 12.2631            |                             | 50.3932                 | 0.0039                          |
| 29/11/2015           |                   |                                |                      |                          |                  | 252.7600                       | 15.3381            |                             | 50.3257                 | 0.1655                          |
| 30/11/2015           |                   |                                |                      |                          |                  | 255.5600                       | 19.9402            |                             | 50.2479                 | 0.2177                          |

|        |  |  |  |  |  |          |         |  |         |         |
|--------|--|--|--|--|--|----------|---------|--|---------|---------|
| Mínimo |  |  |  |  |  | 250.5900 | 11.7992 |  | 50.2479 | -0.0478 |
|--------|--|--|--|--|--|----------|---------|--|---------|---------|

Observaciones:

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: GASODUCTO 42" (EC LOS INDIOS)  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Dióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocío<br>(K) | Humedad<br>(mg/m³) | Poder<br>Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido<br>Sulfhídrico<br>(mg/m³) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|--------------------------------|-------------------------|---------------------------------|
| 01/11/2015           | 95.2374           | 0.7798                           | 0.2244               | 1.0043                   | 3.4762           | 263.4300                       | 48.1961            | 38.6054                        | 50.5350                 | 0.4819                          |
| 02/11/2015           | 95.7300           | 0.8349                           | 0.1697               | 1.0046                   | 3.0779           | 259.5600                       | 34.0138            | 38.4283                        | 50.4209                 | 0.5093                          |
| 03/11/2015           | 96.0048           | 0.8171                           | 0.1712               | 0.9883                   | 2.8319           | 259.1000                       | 31.5796            | 38.3546                        | 50.3906                 | 0.5449                          |
| 04/11/2015           | 95.8306           | 0.7678                           | 0.1959               | 0.9637                   | 3.0164           | 257.1700                       | 25.8511            | 38.4264                        | 50.4547                 | 0.5563                          |
| 05/11/2015           | 96.0703           | 0.7741                           | 0.1789               | 0.9530                   | 2.7682           | 257.9900                       | 28.7586            | 38.3763                        | 50.4294                 | 0.5347                          |
| 06/11/2015           | 96.3014           | 0.7540                           | 0.1606               | 0.9146                   | 2.6093           | 258.1400                       | 29.4576            | 38.3172                        | 50.4184                 | 0.5511                          |
| 07/11/2015           | 96.4377           | 0.7148                           | 0.1805               | 0.8953                   | 2.5025           | 258.3300                       | 30.1520            | 38.2895                        | 50.4210                 | 0.4739                          |
| 08/11/2015           | 96.4340           | 0.6764                           | 0.1595               | 0.8359                   | 2.5817           | 258.1000                       | 29.3568            | 38.3227                        | 50.4769                 | 0.3956                          |
| 09/11/2015           | 96.3812           | 0.6080                           | 0.1638               | 0.7718                   | 2.6158           | 256.6200                       | 25.6331            | 38.4137                        | 50.5746                 | 0.3345                          |
| 10/11/2015           | 96.2910           | 0.6201                           | 0.1656               | 0.7857                   | 2.6272           | 256.2800                       | 24.1250            | 38.4609                        | 50.5916                 | 0.3391                          |
| 11/11/2015           | 95.9239           | 0.6997                           | 0.1761               | 0.8757                   | 2.9149           | 257.9400                       | 27.1249            | 38.4986                        | 50.5524                 | 0.4709                          |
| 12/11/2015           | 95.9072           | 0.7058                           | 0.1686               | 0.8744                   | 2.9160           | 257.3300                       | 26.2536            | 38.4946                        | 51.0390                 | 0.5385                          |
| 13/11/2015           | 96.0951           | 0.7007                           | 0.1704               | 0.8711                   | 2.7475           | 255.9800                       | 23.9335            | 38.4599                        | 50.5321                 | 0.5291                          |
| 14/11/2015           | 96.0855           | 0.7945                           | 0.1584               | 0.9529                   | 2.5810           | 256.2700                       | 23.9513            | 38.4569                        | 50.4695                 | 0.4950                          |
| 15/11/2015           | 96.7030           | 0.6603                           | 0.1567               | 0.8170                   | 2.3449           | 254.2500                       | 19.4157            | 38.2530                        | 50.4499                 | 0.4043                          |
| 16/11/2015           | 96.5858           | 0.6930                           | 0.1571               | 0.8500                   | 2.4056           | 254.2700                       | 19.5594            | 38.2738                        | 50.4384                 | 0.4326                          |
| 17/11/2015           | 95.6645           | 0.7365                           | 0.1989               | 0.9354                   | 3.1895           | 253.8600                       | 19.3525            | 38.5028                        | 50.5188                 | 0.4840                          |
| 18/11/2015           | 95.7004           | 0.7267                           | 0.2127               | 0.9394                   | 3.1614           | 253.4100                       | 18.5475            | 38.4835                        | 50.5085                 | 0.4576                          |
| 19/11/2015           | 95.4255           | 0.7161                           | 0.1638               | 0.8799                   | 3.5181           | 253.4700                       | 18.9060            | 38.5921                        | 50.6004                 | 0.4948                          |
| 20/11/2015           | 94.4012           | 0.7711                           | 0.2319               | 1.0030                   | 4.1957           | 254.5700                       | 20.6503            | 38.8899                        | 50.6884                 | 0.5232                          |
| 21/11/2015           | 95.4741           | 0.8303                           | 0.1976               | 1.0279                   | 3.2423           | 255.8000                       | 22.9801            | 38.4622                        | 50.4401                 | 0.5551                          |
| 22/11/2015           | 96.1791           | 0.7978                           | 0.1497               | 0.9475                   | 2.6350           | 257.9100                       | 27.5519            | 38.3675                        | 50.4210                 | 0.4747                          |
| 23/11/2015           | 96.2236           | 0.8116                           | 0.1492               | 0.9608                   | 2.5803           | 259.0400                       | 31.7101            | 38.3444                        | 50.3983                 | 0.4355                          |
| 24/11/2015           | 96.0793           | 0.8143                           | 0.1426               | 0.9569                   | 2.7347           | 259.2000                       | 31.2838            | 38.3838                        | 50.4220                 | 0.5036                          |
| 25/11/2015           | 96.1410           | 0.8442                           | 0.1488               | 0.9930                   | 2.6075           | 258.2000                       | 29.0253            | 38.3619                        | 50.3854                 | 0.4837                          |
| 26/11/2015           | 95.9178           | 0.8006                           | 0.1522               | 0.9528                   | 2.8716           | 258.0700                       | 28.3453            | 38.4457                        | 50.4624                 | 0.5008                          |
| 27/11/2015           | 95.9758           | 0.7634                           | 0.1440               | 0.9074                   | 2.8702           | 257.7400                       | 27.3691            | 38.4501                        | 50.4949                 | 0.5065                          |
| 28/11/2015           | 96.2892           | 0.7074                           | 0.1420               | 0.8495                   | 2.6528           | 258.1000                       | 29.5229            | 38.3844                        | 50.4979                 | 0.4835                          |
| 29/11/2015           | 96.2338           | 0.7495                           | 0.1587               | 0.9082                   | 2.6507           | 256.7700                       | 26.1874            | 38.3599                        | 50.4466                 | 0.4792                          |
| 30/11/2015           | 95.9224           | 0.9027                           | 0.1667               | 1.0694                   | 2.7692           | 257.4700                       | 26.8537            | 38.3564                        | 50.3334                 | 0.5566                          |

\*/ Los valores trimestrales se deberán reportar en los meses de enero, abril, julio y octubre de cada año, respecto del trimestre inmediato anterior.

|            |         |        |        |        |        |          |         |         |         |        |
|------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Mínimo     | 94.4012 | 0.6080 | 0.1420 | 0.7718 | 2.3449 | 253.4100 | 18.5475 | 38.2530 | 50.3334 | 0.3345 |
| Promedio   | 95.9882 | 0.7524 | 0.1705 | 0.9230 | 2.8565 | 257.1457 | 26.1190 | 38.4211 | 50.4923 | 0.4844 |
| Máximo     | 96.7030 | 0.9027 | 0.2319 | 1.0694 | 4.1957 | 263.4300 | 34.0138 | 38.8899 | 51.0390 | 0.5566 |
| Desv. Est. | 0.4502  | 0.0677 | 0.0234 | 0.0721 | 0.3840 | 2.1351   | 4.3167  | 0.1189  | 0.1295  | 0.0593 |

|                          |                     |
|--------------------------|---------------------|
| Azufre total*<br>(mg/m³) | Oxígeno*<br>(% vol) |
| 0.0000                   | 0.0000              |
| 0.0000                   | 0.0000              |

Observaciones:

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: GASODUCTO 42" (EC LOS INDIOS)  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Óxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocío<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido<br>Sulfídrico<br>(mg/m³) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|--------------------------------|
| 01/11/2015           |                   |                                |                      |                          |                  | 265.9300                       | 59.9867            |                             | 50.6413                 | 0.6364                         |
| 02/11/2015           |                   |                                |                      |                          |                  | 262.7200                       | 45.2151            |                             | 50.5412                 | 0.8464                         |
| 03/11/2015           |                   |                                |                      |                          |                  | 260.6700                       | 36.4434            |                             | 50.4219                 | 0.9096                         |
| 04/11/2015           |                   |                                |                      |                          |                  | 262.8200                       | 43.2352            |                             | 50.5033                 | 0.7324                         |
| 05/11/2015           |                   |                                |                      |                          |                  | 259.5900                       | 33.2967            |                             | 50.5458                 | 0.7455                         |
| 06/11/2015           |                   |                                |                      |                          |                  | 261.2100                       | 38.9851            |                             | 50.5792                 | 0.7897                         |
| 07/11/2015           |                   |                                |                      |                          |                  | 260.0600                       | 35.3181            |                             | 50.4913                 | 0.6553                         |
| 08/11/2015           |                   |                                |                      |                          |                  | 259.4500                       | 33.2551            |                             | 50.5283                 | 0.5955                         |
| 09/11/2015           |                   |                                |                      |                          |                  | 258.0700                       | 29.3484            |                             | 50.8123                 | 0.5516                         |
| 10/11/2015           |                   |                                |                      |                          |                  | 257.5700                       | 27.1938            |                             | 50.6359                 | 0.5143                         |
| 11/11/2015           |                   |                                |                      |                          |                  | 258.8100                       | 29.3839            |                             | 50.6149                 | 0.7010                         |
| 12/11/2015           |                   |                                |                      |                          |                  | 261.3800                       | 38.0466            |                             | 50.6741                 | 0.7014                         |
| 13/11/2015           |                   |                                |                      |                          |                  | 257.4800                       | 27.5304            |                             | 50.6955                 | 0.7550                         |
| 14/11/2015           |                   |                                |                      |                          |                  | 257.4900                       | 26.8354            |                             | 50.6497                 | 0.7578                         |
| 15/11/2015           |                   |                                |                      |                          |                  | 256.8800                       | 24.8661            |                             | 50.4915                 | 0.5519                         |
| 16/11/2015           |                   |                                |                      |                          |                  | 256.1900                       | 23.4353            |                             | 50.4535                 | 0.7351                         |
| 17/11/2015           |                   |                                |                      |                          |                  | 261.9600                       | 40.9438            |                             | 50.6174                 | 0.6294                         |
| 18/11/2015           |                   |                                |                      |                          |                  | 254.7500                       | 21.0645            |                             | 50.6943                 | 0.9380                         |
| 19/11/2015           |                   |                                |                      |                          |                  | 254.7200                       | 21.2906            |                             | 50.7161                 | 0.9918                         |
| 20/11/2015           |                   |                                |                      |                          |                  | 256.6000                       | 24.9909            |                             | 50.9432                 | 0.9050                         |
| 21/11/2015           |                   |                                |                      |                          |                  | 257.6800                       | 27.3935            |                             | 50.5515                 | 1.7054                         |
| 22/11/2015           |                   |                                |                      |                          |                  | 259.9500                       | 33.2369            |                             | 50.5061                 | 1.0687                         |
| 23/11/2015           |                   |                                |                      |                          |                  | 260.2600                       | 35.4588            |                             | 50.4270                 | 0.9232                         |
| 24/11/2015           |                   |                                |                      |                          |                  | 263.7300                       | 46.9937            |                             | 50.4834                 | 1.0023                         |
| 25/11/2015           |                   |                                |                      |                          |                  | 259.5600                       | 32.8906            |                             | 50.4507                 | 0.8953                         |
| 26/11/2015           |                   |                                |                      |                          |                  | 259.6200                       | 32.6917            |                             | 50.5286                 | 0.9063                         |
| 27/11/2015           |                   |                                |                      |                          |                  | 258.8300                       | 30.2710            |                             | 50.5348                 | 0.7888                         |
| 28/11/2015           |                   |                                |                      |                          |                  | 259.5500                       | 33.7278            |                             | 50.4648                 | 0.7423                         |
| 29/11/2015           |                   |                                |                      |                          |                  | 257.8800                       | 29.0277            |                             | 50.4350                 | 0.8613                         |
| 30/11/2015           |                   |                                |                      |                          |                  | 258.6200                       | 29.8634            |                             | 50.3734                 | 0.7881                         |
| Máximo               |                   |                                |                      |                          |                  | 265.9300                       | 59.9867            |                             | 50.9432                 | 1.7054                         |

Observaciones:

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: GASODUCTO 42" (EC LOS INDIOS)  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Óxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocío<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido<br>Sulfhídrico<br>(mg/m³) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|
| 01/11/2015           |                   |                                |                      |                          |                  | 259.8500                       | 34.9476            |                             | 50.5322                 | 0.2317                          |
| 02/11/2015           |                   |                                |                      |                          |                  | 254.4100                       | 21.0562            |                             | 50.3417                 | 0.2547                          |
| 03/11/2015           |                   |                                |                      |                          |                  | 256.2800                       | 24.3141            |                             | 50.4308                 | 0.3999                          |
| 04/11/2015           |                   |                                |                      |                          |                  | 251.5100                       | 15.0925            |                             | 50.4408                 | 0.3893                          |
| 05/11/2015           |                   |                                |                      |                          |                  | 256.0100                       | 23.9133            |                             | 50.3521                 | 0.3788                          |
| 06/11/2015           |                   |                                |                      |                          |                  | 255.0500                       | 22.0756            |                             | 50.3704                 | 0.2771                          |
| 07/11/2015           |                   |                                |                      |                          |                  | 256.2000                       | 24.7308            |                             | 50.3543                 | 0.3425                          |
| 08/11/2015           |                   |                                |                      |                          |                  | 256.2300                       | 24.6831            |                             | 50.4220                 | 0.2249                          |
| 09/11/2015           |                   |                                |                      |                          |                  | 255.2400                       | 22.5225            |                             | 50.4173                 | 0.1976                          |
| 10/11/2015           |                   |                                |                      |                          |                  | 253.9200                       | 19.2934            |                             | 50.4915                 | 0.1523                          |
| 11/11/2015           |                   |                                |                      |                          |                  | 256.7800                       | 24.3519            |                             | 50.4114                 | 0.1502                          |
| 12/11/2015           |                   |                                |                      |                          |                  | 255.2000                       | 21.5198            |                             | 50.5298                 | 0.3950                          |
| 13/11/2015           |                   |                                |                      |                          |                  | 253.9300                       | 19.7093            |                             | 50.4686                 | 0.3598                          |
| 14/11/2015           |                   |                                |                      |                          |                  | 254.2200                       | 19.7305            |                             | 50.4207                 | 0.2778                          |
| 15/11/2015           |                   |                                |                      |                          |                  | 250.6700                       | 13.7426            |                             | 50.4326                 | 0.2729                          |
| 16/11/2015           |                   |                                |                      |                          |                  | 248.5500                       | 11.2069            |                             | 50.4073                 | 0.1948                          |
| 17/11/2015           |                   |                                |                      |                          |                  | 251.8200                       | 15.9069            |                             | 50.3787                 | 0.3402                          |
| 18/11/2015           |                   |                                |                      |                          |                  | 251.2300                       | 15.0206            |                             | 50.4426                 | 0.1540                          |
| 19/11/2015           |                   |                                |                      |                          |                  | 248.8100                       | 12.0025            |                             | 50.4568                 | 0.2958                          |
| 20/11/2015           |                   |                                |                      |                          |                  | 252.2800                       | 16.5838            |                             | 50.3860                 | 0.2180                          |
| 21/11/2015           |                   |                                |                      |                          |                  | 253.7700                       | 18.9629            |                             | 50.4178                 | 0.2557                          |
| 22/11/2015           |                   |                                |                      |                          |                  | 255.5100                       | 22.0355            |                             | 50.3627                 | 0.1633                          |
| 23/11/2015           |                   |                                |                      |                          |                  | 258.0100                       | 28.8583            |                             | 50.3016                 | 0.1860                          |
| 24/11/2015           |                   |                                |                      |                          |                  | 257.3800                       | 26.4482            |                             | 50.3184                 | 0.2961                          |
| 25/11/2015           |                   |                                |                      |                          |                  | 257.1500                       | 26.3408            |                             | 50.3111                 | 0.2515                          |
| 26/11/2015           |                   |                                |                      |                          |                  | 256.8000                       | 25.1974            |                             | 50.4235                 | 0.1403                          |
| 27/11/2015           |                   |                                |                      |                          |                  | 256.8400                       | 25.1648            |                             | 50.4357                 | 0.2722                          |
| 28/11/2015           |                   |                                |                      |                          |                  | 256.5900                       | 25.6609            |                             | 50.5031                 | 0.3368                          |
| 29/11/2015           |                   |                                |                      |                          |                  | 254.6800                       | 21.5099            |                             | 50.3840                 | 0.1684                          |
| 30/11/2015           |                   |                                |                      |                          |                  | 256.3700                       | 24.2347            |                             | 50.3553                 | 0.3473                          |
| Mínimo               |                   |                                |                      |                          |                  | 248.5500                       | 11.2069            |                             | 50.3016                 | 0.1403                          |

Observaciones:

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Valores promedio diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
PUNTO DE MEDICIÓN: GASODUCTO 36° REYNOSA-MONTERREY  
ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Óxido de Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de Rocío<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Ácido Sulfídrico<br>(mg/m³) | Azufre total*<br>(mg/m³) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|-----------------------------|----------------------|--------------------------|------------------|-----------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|--------------------------|---------------------|
| 01/11/2015           | 95.214            | 0.772                       | 0.224                | 0.9961                   | 3.5065           | 254.7500                    | 22.9254            | 38.6172                     | 50.5442                 | 0.2336                      |                          |                     |
| 02/11/2015           | 95.706            | 0.827                       | 0.169                | 0.9964                   | 3.105            | 253.5300                    | 20.7276            | 38.4420                     | 50.4312                 | 0.2282                      |                          |                     |
| 03/11/2015           | 95.983            | 0.810                       | 0.170                | 0.9802                   | 2.856            | 253.9600                    | 20.6407            | 38.3678                     | 50.4006                 | 0.2803                      |                          |                     |
| 04/11/2015           | 95.807            | 0.761                       | 0.195                | 0.9561                   | 3.042            | 253.1600                    | 19.7055            | 38.4397                     | 50.4643                 | 0.2993                      |                          |                     |
| 05/11/2015           | 96.050            | 0.767                       | 0.178                | 0.9453                   | 2.792            | 252.9600                    | 20.2904            | 38.3873                     | 50.4377                 | 0.2874                      |                          |                     |
| 06/11/2015           | 96.177            | 0.735                       | 0.160                | 0.8948                   | 2.709            | 253.0400                    | 20.3042            | 38.3813                     | 50.4655                 | 0.3523                      |                          |                     |
| 07/11/2015           | 96.428            | 0.708                       | 0.179                | 0.8877                   | 2.521            | 253.0900                    | 20.2602            | 38.2949                     | 50.4262                 | 0.2742                      |                          |                     |
| 08/11/2015           | 96.412            | 0.671                       | 0.158                | 0.8291                   | 2.605            | 252.9500                    | 19.9745            | 38.3353                     | 50.4854                 | 0.2031                      |                          |                     |
| 09/11/2015           | 96.362            | 0.602                       | 0.163                | 0.7654                   | 2.639            | 252.6500                    | 19.4166            | 38.4234                     | 50.5813                 | 0.1710                      |                          |                     |
| 10/11/2015           | 96.136            | 0.646                       | 0.165                | 0.8104                   | 2.759            | 253.3100                    | 19.9586            | 38.4891                     | 50.5977                 | 0.1759                      |                          |                     |
| 11/11/2015           | 95.904            | 0.693                       | 0.175                | 0.8687                   | 2.941            | 253.7300                    | 20.5859            | 38.5097                     | 50.5604                 | 0.2451                      |                          |                     |
| 12/11/2015           | 95.973            | 0.694                       | 0.161                | 0.8557                   | 2.865            | 253.4000                    | 20.2932            | 38.5047                     | 50.5632                 | 0.3343                      |                          |                     |
| 13/11/2015           | 96.078            | 0.693                       | 0.170                | 0.8633                   | 2.772            | 252.9500                    | 19.2495            | 38.4694                     | 50.5397                 | 0.2797                      |                          |                     |
| 14/11/2015           | 96.076            | 0.787                       | 0.158                | 0.9452                   | 2.603            | 253.3000                    | 19.7854            | 38.4621                     | 50.4746                 | 0.2601                      |                          |                     |
| 15/11/2015           | 96.685            | 0.654                       | 0.156                | 0.8099                   | 2.365            | 253.4200                    | 19.9344            | 38.2650                     | 50.4583                 | 0.1737                      |                          |                     |
| 16/11/2015           | 96.569            | 0.687                       | 0.156                | 0.8428                   | 2.426            | 253.4200                    | 19.8821            | 38.2847                     | 50.4463                 | 0.1948                      |                          |                     |
| 17/11/2015           | 95.646            | 0.729                       | 0.198                | 0.9271                   | 3.216            | 252.8700                    | 18.8447            | 38.5131                     | 50.5271                 | 0.2560                      |                          |                     |
| 18/11/2015           | 95.679            | 0.720                       | 0.211                | 0.9310                   | 3.190            | 252.5400                    | 18.3179            | 38.4959                     | 50.5179                 | 0.2437                      |                          |                     |
| 19/11/2015           | 95.398            | 0.710                       | 0.163                | 0.8729                   | 3.550            | 252.8000                    | 18.8705            | 38.6054                     | 50.6096                 | 0.2810                      |                          |                     |
| 20/11/2015           | 94.559            | 0.743                       | 0.208                | 0.9515                   | 4.040            | 252.7200                    | 18.6290            | 38.8957                     | 50.7293                 | 0.3402                      |                          |                     |
| 21/11/2015           | 95.820            | 0.808                       | 0.180                | 0.9877                   | 2.931            | 252.9800                    | 18.9920            | 38.4515                     | 50.4449                 | 0.3165                      |                          |                     |
| 22/11/2015           | 95.916            | 0.819                       | 0.155                | 0.9732                   | 2.846            | 253.2600                    | 19.0792            | 38.4367                     | 50.4404                 | 0.2630                      |                          |                     |
| 23/11/2015           | 95.783            | 0.852                       | 0.154                | 1.0060                   | 2.949            | 253.7600                    | 20.2797            | 38.4496                     | 50.4249                 | 0.2284                      |                          |                     |
| 24/11/2015           | 96.031            | 0.809                       | 0.148                | 0.9573                   | 2.766            | 254.0200                    | 20.6683            | 38.4032                     | 50.4309                 | 0.2437                      |                          |                     |
| 25/11/2015           | 96.097            | 0.838                       | 0.153                | 0.9907                   | 2.646            | 254.0100                    | 21.0081            | 38.3761                     | 50.3930                 | 0.2696                      |                          |                     |
| 26/11/2015           | 95.880            | 0.796                       | 0.156                | 0.9515                   | 2.897            | 254.0900                    | 21.1066            | 38.4606                     | 50.4696                 | 0.2647                      |                          |                     |
| 27/11/2015           | 95.939            | 0.758                       | 0.148                | 0.9059                   | 2.896            | 253.9700                    | 20.7374            | 38.4647                     | 50.5021                 | 0.2803                      |                          |                     |
| 28/11/2015           | 95.771            | 0.765                       | 0.147                | 0.9121                   | 3.083            | 253.2600                    | 19.4787            | 38.4985                     | 50.5170                 | 0.2341                      |                          |                     |
| 29/11/2015           | 96.085            | 0.759                       | 0.161                | 0.9204                   | 2.769            | 252.4200                    | 18.7418            | 38.4004                     | 50.4586                 | 0.2217                      |                          |                     |
| 30/11/2015           | 95.886            | 0.896                       | 0.171                | 1.0670                   | 2.793            | 253.2700                    | 19.3928            | 38.3740                     | 50.3429                 | 0.2992                      |                          |                     |

\*/ Los valores trimestrales se deberán reportar en los meses de enero, abril, julio y octubre de cada año, respecto del trimestre inmediato anterior.

|            |         |        |        |        |        |          |         |         |         |        |        |        |
|------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|--------|--------|
| Mínimo     | 94.5588 | 0.6023 | 0.1466 | 0.7654 | 2.3650 | 252.4200 | 18.3179 | 38.2650 | 50.3429 | 0.1710 | 0.0000 | 0.0000 |
| Promedio   | 95.9351 | 0.7504 | 0.1697 | 0.9200 | 2.9026 | 253.3197 | 19.9360 | 38.4442 | 50.4876 | 0.2578 |        |        |
| Máximo     | 96.6847 | 0.8962 | 0.2238 | 1.0670 | 4.0401 | 254.7500 | 22.9254 | 38.8957 | 50.7293 | 0.3523 | 0.0000 | 0.0000 |
| Desv. Est. | 0.4077  | 0.0675 | 0.0197 | 0.0693 | 0.3461 | 0.5335   | 0.9436  | 0.1150  | 0.0789  | 0.0473 |        |        |

Observaciones:

# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: GASODUCTO 36" REYNOSA-MONTERREY  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Óxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocío<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido<br>Sulfhídrico<br>(mg/m³) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|
| 01/11/2015           |                   |                                |                      |                          |                  | 255.500                        | 24.6128            |                             | 50.6499                 | 0.7620                          |
| 02/11/2015           |                   |                                |                      |                          |                  | 254.490                        | 22.7237            |                             | 50.5521                 | 0.8681                          |
| 03/11/2015           |                   |                                |                      |                          |                  | 254.670                        | 22.0832            |                             | 50.4313                 | 0.9195                          |
| 04/11/2015           |                   |                                |                      |                          |                  | 254.700                        | 22.8228            |                             | 50.5134                 | 0.7662                          |
| 05/11/2015           |                   |                                |                      |                          |                  | 253.570                        | 21.5129            |                             | 50.5515                 | 1.0906                          |
| 06/11/2015           |                   |                                |                      |                          |                  | 253.7700                       | 21.7678            |                             | 50.6243                 | 0.6437                          |
| 07/11/2015           |                   |                                |                      |                          |                  | 253.5900                       | 21.2558            |                             | 50.5007                 | 0.6259                          |
| 08/11/2015           |                   |                                |                      |                          |                  | 253.6000                       | 21.2694            |                             | 50.5365                 | 0.6514                          |
| 09/11/2015           |                   |                                |                      |                          |                  | 253.2500                       | 20.5692            |                             | 50.8135                 | 0.5564                          |
| 10/11/2015           |                   |                                |                      |                          |                  | 253.7000                       | 20.7181            |                             | 50.5464                 | 4.1391                          |
| 11/11/2015           |                   |                                |                      |                          |                  | 254.2300                       | 21.5886            |                             | 50.6111                 | 0.5978                          |
| 12/11/2015           |                   |                                |                      |                          |                  | 253.8500                       | 21.1931            |                             | 50.6834                 | 0.7889                          |
| 13/11/2015           |                   |                                |                      |                          |                  | 253.5300                       | 20.3521            |                             | 50.7079                 | 0.7592                          |
| 14/11/2015           |                   |                                |                      |                          |                  | 253.7300                       | 20.6213            |                             | 50.6516                 | 1.0873                          |
| 15/11/2015           |                   |                                |                      |                          |                  | 253.8400                       | 20.7567            |                             | 50.5007                 | 0.6520                          |
| 16/11/2015           |                   |                                |                      |                          |                  | 253.7800                       | 20.5775            |                             | 50.4602                 | 0.6571                          |
| 17/11/2015           |                   |                                |                      |                          |                  | 253.7500                       | 20.5003            |                             | 50.6280                 | 0.9831                          |
| 18/11/2015           |                   |                                |                      |                          |                  | 258.8100                       | 33.0532            |                             | 50.7005                 | 0.9952                          |
| 19/11/2015           |                   |                                |                      |                          |                  | 253.4400                       | 20.0625            |                             | 50.7248                 | 0.7352                          |
| 20/11/2015           |                   |                                |                      |                          |                  | 253.5400                       | 20.1517            |                             | 50.9442                 | 0.9492                          |
| 21/11/2015           |                   |                                |                      |                          |                  | 254.5000                       | 21.9531            |                             | 50.4539                 | 2.8582                          |
| 22/11/2015           |                   |                                |                      |                          |                  | 254.250                        | 20.9707            |                             | 50.5460                 | 0.8960                          |
| 23/11/2015           |                   |                                |                      |                          |                  | 255.640                        | 24.2422            |                             | 50.5465                 | 0.8190                          |
| 24/11/2015           |                   |                                |                      |                          |                  | 262.000                        | 43.1959            |                             | 50.4918                 | 0.6086                          |
| 25/11/2015           |                   |                                |                      |                          |                  | 255.510                        | 24.2331            |                             | 50.4580                 | 1.0381                          |
| 26/11/2015           |                   |                                |                      |                          |                  | 254.650                        | 22.2556            |                             | 50.5362                 | 0.6562                          |
| 27/11/2015           |                   |                                |                      |                          |                  | 254.490                        | 21.8049            |                             | 50.5414                 | 0.9886                          |
| 28/11/2015           |                   |                                |                      |                          |                  | 259.780                        | 35.8241            |                             | 50.5462                 | 0.9588                          |
| 29/11/2015           |                   |                                |                      |                          |                  | 253.050                        | 19.9044            |                             | 50.5464                 | 1.2810                          |
| 30/11/2015           |                   |                                |                      |                          |                  | 253.970                        | 20.7302            |                             | 50.3836                 | 0.6883                          |

|        |  |  |  |  |  |          |         |  |         |        |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|
| Máximo |  |  |  |  |  | 262.0000 | 43.1959 |  | 50.9442 | 4.1391 |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|

Observaciones:



# INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

PERMISIONARIO: GASODUCTOS DEL NORESTE S. DE R.L. DE C.V.  
 PUNTO DE MEDICIÓN: GASODUCTO 36" REYNOSA-MONTERREY  
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Dióxido de<br>Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rodo<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido<br>Sulfhídrico<br>(mg/m³) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|-------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|
| 01/11/2015           |                   |                                  |                      |                          |                  | 253.810                       | 20.9692            |                             | 50.5421                 | 0.7528                          |
| 02/11/2015           |                   |                                  |                      |                          |                  | 252.290                       | 18.4018            |                             | 50.3509                 | 0.1303                          |
| 03/11/2015           |                   |                                  |                      |                          |                  | 250.0100                      | 14.0761            |                             | 50.4407                 | 0.1161                          |
| 04/11/2015           |                   |                                  |                      |                          |                  | 252.2800                      | 18.1129            |                             | 50.4492                 | 0.1582                          |
| 05/11/2015           |                   |                                  |                      |                          |                  | 252.2100                      | 18.8706            |                             | 50.3607                 | 0.0788                          |
| 06/11/2015           |                   |                                  |                      |                          |                  | 252.1800                      | 18.6793            |                             | 50.3799                 | 0.2290                          |
| 07/11/2015           |                   |                                  |                      |                          |                  | 252.4100                      | 18.9690            |                             | 50.3838                 | 0.0862                          |
| 08/11/2015           |                   |                                  |                      |                          |                  | 252.4500                      | 19.0484            |                             | 50.4295                 | 0.0502                          |
| 09/11/2015           |                   |                                  |                      |                          |                  | 252.1200                      | 18.4547            |                             | 50.4262                 | 0.2893                          |
| 10/11/2015           |                   |                                  |                      |                          |                  | 252.7000                      | 18.8306            |                             | 50.4989                 | 1.7552                          |
| 11/11/2015           |                   |                                  |                      |                          |                  | 253.1000                      | 19.3849            |                             | 50.4209                 | 0.0394                          |
| 12/11/2015           |                   |                                  |                      |                          |                  | 252.1700                      | 18.0403            |                             | 50.5366                 | 0.0132                          |
| 13/11/2015           |                   |                                  |                      |                          |                  | 252.3700                      | 18.2052            |                             | 50.4764                 | 0.0904                          |
| 14/11/2015           |                   |                                  |                      |                          |                  | 252.4300                      | 18.2014            |                             | 50.4296                 | 0.2856                          |
| 15/11/2015           |                   |                                  |                      |                          |                  | 253.0300                      | 19.2155            |                             | 50.4406                 | 0.2759                          |
| 16/11/2015           |                   |                                  |                      |                          |                  | 252.6700                      | 18.4933            |                             | 50.4150                 | 0.1780                          |
| 17/11/2015           |                   |                                  |                      |                          |                  | 251.2500                      | 16.1066            |                             | 50.3871                 | 0.2264                          |
| 18/11/2015           |                   |                                  |                      |                          |                  | 251.5400                      | 16.6337            |                             | 50.4511                 | 0.1584                          |
| 19/11/2015           |                   |                                  |                      |                          |                  | 251.6200                      | 16.8296            |                             | 50.4673                 | 0.1888                          |
| 20/11/2015           |                   |                                  |                      |                          |                  | 251.8900                      | 17.2001            |                             | 50.5060                 | 0.1935                          |
| 21/11/2015           |                   |                                  |                      |                          |                  | 252.4000                      | 17.9669            |                             | 50.4399                 | 1.5019                          |
| 22/11/2015           |                   |                                  |                      |                          |                  | 252.4300                      | 17.6017            |                             | 50.3774                 | 0.0577                          |
| 23/11/2015           |                   |                                  |                      |                          |                  | 247.4900                      | 10.9717            |                             | 50.3113                 | 0.3828                          |
| 24/11/2015           |                   |                                  |                      |                          |                  | 253.4500                      | 19.5785            |                             | 50.3252                 | 0.1538                          |
| 25/11/2015           |                   |                                  |                      |                          |                  | 248.9900                      | 12.9024            |                             | 50.3188                 | 0.1915                          |
| 26/11/2015           |                   |                                  |                      |                          |                  | 253.3400                      | 19.6397            |                             | 50.4297                 | 0.1659                          |
| 27/11/2015           |                   |                                  |                      |                          |                  | 252.3100                      | 17.6962            |                             | 50.4440                 | 0.1874                          |
| 28/11/2015           |                   |                                  |                      |                          |                  | 252.6400                      | 18.3564            |                             | 50.5029                 | 0.1788                          |
| 29/11/2015           |                   |                                  |                      |                          |                  | 252.0300                      | 18.0365            |                             | 50.3933                 | 2.6346                          |
| 30/11/2015           |                   |                                  |                      |                          |                  | 252.3900                      | 17.8240            |                             | 50.3613                 | 0.3116                          |
| Mínimo               |                   |                                  |                      |                          |                  | 247.4900                      | 10.9717            |                             | 50.3113                 | 0.0132                          |

Observaciones: