

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**

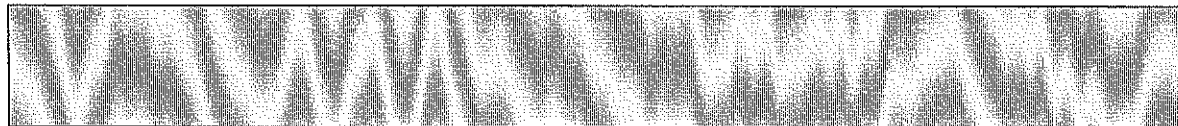
(Valores promedio diarios)

PERMISIONARIO: **Kinder Morgan Gas Natural Mexico, S. de R.L. de C.V.**  
 PUNTO DE MEDICIÓN: **PEMEX/KMGNM Estación M1: 40572**  
 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>Rede<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder<br>Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido<br>Sulfídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|-------------------------------|---------------------------------|---------------------------------------------|--------------------------------------|---------------------------------------------|---------------------------------------|---------------------|
| 01/02/2015           | 96.9499           | 1.4487                         | 0.1266               | 1.5754                   | 1.1327           | 262.3500                      | 20.8300                         | 37.7886                                     | 49.6400                              | 2.3400                                      |                                       |                     |
| 02/02/2015           | 96.7114           | 1.4899                         | 0.1269               | 1.6169                   | 1.3073           | 262.2200                      | 17.6600                         | 37.8389                                     | 49.6400                              | 2.8900                                      |                                       |                     |
| 03/02/2015           | 96.7695           | 1.4757                         | 0.1250               | 1.6008                   | 1.2686           | 262.1000                      | 15.5900                         | 37.8305                                     | 49.6500                              | 3.4400                                      |                                       |                     |
| 04/02/2015           | 96.6730           | 1.4943                         | 0.1198               | 1.6141                   | 1.3961           | 262.4200                      | 16.0600                         | 37.8467                                     | 49.6400                              | 3.4400                                      |                                       |                     |
| 05/02/2015           | 96.5880           | 1.5782                         | 0.1177               | 1.6960                   | 1.3704           | 261.4800                      | 14.9700                         | 37.8097                                     | 49.5700                              | 3.2500                                      |                                       |                     |
| 06/02/2015           | 96.6711           | 1.5487                         | 0.1154               | 1.6641                   | 1.3209           | 261.0800                      | 15.6800                         | 37.8078                                     | 49.5900                              | 3.3700                                      |                                       |                     |
| 07/02/2015           | 96.6245           | 1.5660                         | 0.1141               | 1.6802                   | 1.3558           | 262.0400                      | 17.8200                         | 37.8105                                     | 49.5800                              | 3.2700                                      |                                       |                     |
| 08/02/2015           | 96.6096           | 1.6005                         | 0.1158               | 1.7164                   | 1.3292           | 262.4700                      | 23.1800                         | 37.7929                                     | 49.5400                              | 3.1300                                      |                                       |                     |
| 09/02/2015           | 96.6081           | 1.6084                         | 0.1207               | 1.7292                   | 1.2986           | 263.9900                      | 25.5200                         | 37.7960                                     | 49.5300                              | 3.1300                                      |                                       |                     |
| 10/02/2015           | 96.4720           | 1.6316                         | 0.1246               | 1.7565                   | 1.3723           | 264.3200                      | 18.7200                         | 37.8338                                     | 49.5400                              | 3.0000                                      |                                       |                     |
| 11/02/2015           | 96.6111           | 1.6033                         | 0.1237               | 1.7271                   | 1.3091           | 263.4500                      | 18.7400                         | 37.7914                                     | 49.5300                              | 3.0800                                      |                                       |                     |
| 12/02/2015           | 96.5439           | 1.5851                         | 0.1215               | 1.7066                   | 1.3732           | 263.7000                      | 20.2100                         | 37.8339                                     | 49.5700                              | 2.9800                                      |                                       |                     |
| 13/02/2015           | 96.4679           | 1.5757                         | 0.1295               | 1.7052                   | 1.4164           | 264.3900                      | 19.3900                         | 37.8737                                     | 49.6000                              | 3.2900                                      |                                       |                     |
| 14/02/2015           | 96.6772           | 1.5451                         | 0.1260               | 1.6712                   | 1.2983           | 263.8800                      | 20.4000                         | 37.8096                                     | 49.5800                              | 2.8000                                      |                                       |                     |
| 15/02/2015           | 96.7274           | 1.5275                         | 0.1274               | 1.6549                   | 1.2565           | 263.9300                      | 20.2000                         | 37.8083                                     | 49.6000                              | 2.7600                                      |                                       |                     |
| 16/02/2015           | 96.6904           | 1.5458                         | 0.1256               | 1.6715                   | 1.2696           | 264.1000                      | 22.6000                         | 37.8125                                     | 49.5800                              | 2.4400                                      |                                       |                     |
| 17/02/2015           | 96.7155           | 1.5534                         | 0.1224               | 1.6759                   | 1.2545           | 263.2500                      | 16.3600                         | 37.7951                                     | 49.5700                              | 2.7000                                      |                                       |                     |
| 18/02/2015           | 96.6938           | 1.5321                         | 0.1243               | 1.6564                   | 1.2761           | 263.6300                      | 15.9400                         | 37.8201                                     | 49.6000                              | 2.6900                                      |                                       |                     |
| 19/02/2015           | 96.6405           | 1.5018                         | 0.1284               | 1.6303                   | 1.3524           | 264.5000                      | 17.7600                         | 37.8569                                     | 49.6400                              | 2.7600                                      |                                       |                     |
| 20/02/2015           | 96.6789           | 1.5168                         | 0.1271               | 1.6439                   | 1.3095           | 264.7900                      | 25.0300                         | 37.8333                                     | 49.6200                              | 2.5300                                      |                                       |                     |
| 21/02/2015           | 96.6936           | 1.5694                         | 0.1229               | 1.6924                   | 1.2411           | 265.3100                      | 41.1300                         | 37.8007                                     | 49.5600                              | 1.8500                                      |                                       |                     |
| 22/02/2015           | 96.7594           | 1.5447                         | 0.1218               | 1.6666                   | 1.2188           | 265.3000                      | 43.2500                         | 37.7920                                     | 49.5800                              | 1.4400                                      |                                       |                     |
| 23/02/2015           | 96.7670           | 1.4606                         | 0.1297               | 1.5903                   | 1.2856           | 264.2200                      | 33.5900                         | 37.8380                                     | 49.6600                              | 1.3100                                      |                                       |                     |
| 24/02/2015           | 96.4778           | 1.5391                         | 0.1303               | 1.6694                   | 1.4103           | 264.7200                      | 20.7200                         | 37.9067                                     | 49.6400                              | 1.5400                                      |                                       |                     |
| 25/02/2015           | 96.5370           | 1.2297                         | 0.1494               | 1.3792                   | 1.7535           | 262.5800                      | 19.3800                         | 38.0256                                     | 49.9200                              | 0.0700                                      |                                       |                     |
| 26/02/2015           | 96.7577           | 1.2754                         | 0.1383               | 1.4137                   | 1.4819           | 261.9500                      | 21.2500                         | 37.9494                                     | 49.8500                              | 0.0300                                      |                                       |                     |
| 27/02/2015           | 96.6748           | 1.5563                         | 0.1202               | 1.6765                   | 1.2811           | 263.5800                      | 20.1000                         | 37.8127                                     | 49.5800                              | 0.5600                                      |                                       |                     |
| 28/02/2015           | 96.7208           | 1.5289                         | 0.1228               | 1.6518                   | 1.2582           | 263.6600                      | 19.8000                         | 37.8150                                     | 49.6000                              | 0.8900                                      |                                       |                     |

|            |         |        |        |        |        |          |         |         |         |        |  |  |
|------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|--|--|
| Mínimo     | 96.4679 | 1.2297 | 0.1141 | 1.3792 | 1.1327 | 261.0800 | 14.9700 | 37.7886 | 49.5300 | 0.0300 |  |  |
| Promedio   | 96.6612 | 1.5226 | 0.1249 | 1.6476 | 1.3271 | 263.3982 | 21.4936 | 37.8332 | 49.6143 | 2.3918 |  |  |
| Máximo     | 96.9499 | 1.6318 | 0.1494 | 1.7565 | 1.7535 | 265.3100 | 43.2500 | 38.0256 | 49.9200 | 3.4400 |  |  |
| Desv. Est. | 0.1043  | 0.0884 | 0.0070 | 0.0829 | 0.1083 | 1.1491   | 6.9746  | 0.0522  | 0.0854  | 1.0239 |  |  |

Observaciones:



**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
**(Registros máximos diarios)**

PERMISIONARIO: Kinder Morgan Gas Natural Mexico, S. de R.L. de C.V.  
 PUNTO DE MEDICIÓN: PEMEX/KMGNM Estación M1: 40572  
 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<br>Rodo<br>(K) | Humedad<br>(mg/m³) | Poder Calorífico<br>(MJ/m³) | Índice Wobbe<br>(MJ/m³) | Acido Sulhídrico<br>(mg/m³) |
|----------------------|-------------------|-----------------------------|----------------------|--------------------------|------------------|-------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/02/2015           | 97.0013           | 1.4886                      | 0.1294               | 1.6141                   | 1.1828           | 263.0200                      | 22.2800            | 37.8279                     | 49.6900                 | 2.5400                      |
| 02/02/2015           | 96.9311           | 1.5209                      | 0.1309               | 1.6506                   | 1.6317           | 262.8200                      | 19.0400            | 37.9322                     | 49.6800                 | 3.3600                      |
| 03/02/2015           | 96.8261           | 1.5022                      | 0.1281               | 1.6267                   | 1.3092           | 263.6800                      | 16.5200            | 37.8577                     | 49.6700                 | 3.7800                      |
| 04/02/2015           | 96.7401           | 1.6010                      | 0.1256               | 1.7066                   | 1.4152           | 263.6400                      | 17.7900            | 37.8838                     | 49.6700                 | 3.7600                      |
| 05/02/2015           | 96.8596           | 1.6679                      | 0.1232               | 1.7804                   | 1.8259           | 262.7000                      | 15.8300            | 38.0030                     | 49.7100                 | 3.4100                      |
| 06/02/2015           | 97.1374           | 1.6740                      | 0.1209               | 1.7832                   | 1.4148           | 262.9900                      | 15.8500            | 37.8502                     | 49.8200                 | 3.6600                      |
| 07/02/2015           | 96.7974           | 1.6635                      | 0.1176               | 1.7717                   | 1.7281           | 263.7600                      | 19.1100            | 37.9098                     | 49.6400                 | 3.7100                      |
| 08/02/2015           | 96.8631           | 1.6379                      | 0.1185               | 1.7501                   | 1.4566           | 263.7400                      | 27.0600            | 37.8241                     | 49.5800                 | 3.3900                      |
| 09/02/2015           | 96.6775           | 1.6816                      | 0.1250               | 1.7992                   | 1.3545           | 266.1300                      | 28.7600            | 37.8353                     | 49.5900                 | 3.4400                      |
| 10/02/2015           | 96.5678           | 1.6942                      | 0.1430               | 1.8212                   | 1.4970           | 265.5600                      | 25.9200            | 37.8949                     | 49.6300                 | 3.4400                      |
| 11/02/2015           | 96.8260           | 1.7395                      | 0.1435               | 1.8646                   | 1.3855           | 265.1900                      | 24.9400            | 37.8502                     | 49.6700                 | 3.6400                      |
| 12/02/2015           | 96.6909           | 1.7890                      | 0.1261               | 1.9038                   | 1.4827           | 264.5600                      | 25.2000            | 37.8651                     | 49.6400                 | 3.2200                      |
| 13/02/2015           | 96.6020           | 1.6282                      | 0.1556               | 1.7600                   | 1.6234           | 265.7000                      | 21.2200            | 38.0104                     | 49.7400                 | 3.7400                      |
| 14/02/2015           | 96.7743           | 1.6308                      | 0.1377               | 1.7623                   | 1.5056           | 265.3500                      | 21.6700            | 37.9285                     | 49.6600                 | 3.7900                      |
| 15/02/2015           | 96.8678           | 1.5675                      | 0.1302               | 1.6906                   | 1.2936           | 264.1300                      | 21.0000            | 37.8316                     | 49.6300                 | 2.9100                      |
| 16/02/2015           | 96.7785           | 1.5814                      | 0.1278               | 1.7026                   | 1.3153           | 266.1300                      | 28.0500            | 37.8502                     | 49.6400                 | 2.6500                      |
| 17/02/2015           | 96.7981           | 1.6159                      | 0.1271               | 1.7362                   | 1.2960           | 264.7100                      | 18.7400            | 37.8092                     | 49.6200                 | 2.9000                      |
| 18/02/2015           | 96.8052           | 1.5885                      | 0.1293               | 1.7090                   | 1.3439           | 265.7500                      | 17.4400            | 37.8502                     | 49.6400                 | 2.8900                      |
| 19/02/2015           | 97.0152           | 1.6719                      | 0.1558               | 1.7922                   | 1.4925           | 265.9600                      | 19.6300            | 37.9247                     | 49.8500                 | 2.9500                      |
| 20/02/2015           | 96.7995           | 1.6023                      | 0.1406               | 1.7260                   | 1.4534           | 266.1100                      | 31.5900            | 37.9247                     | 49.7200                 | 2.8000                      |
| 21/02/2015           | 96.7645           | 1.6108                      | 0.1274               | 1.7327                   | 1.2709           | 266.8300                      | 44.7600            | 37.8204                     | 49.5900                 | 2.4500                      |
| 22/02/2015           | 97.1554           | 1.6723                      | 0.1308               | 1.7938                   | 1.2740           | 266.3700                      | 48.7800            | 37.8241                     | 49.7700                 | 1.5400                      |
| 23/02/2015           | 96.8899           | 1.5115                      | 0.1360               | 1.6393                   | 1.3718           | 265.3500                      | 38.7000            | 37.8726                     | 49.7200                 | 1.3900                      |
| 24/02/2015           | 96.7790           | 1.8043                      | 0.1413               | 1.9312                   | 1.6204           | 268.0000                      | 25.5200            | 38.0365                     | 49.8400                 | 1.8100                      |
| 25/02/2015           | 97.1783           | 1.4647                      | 0.2171               | 1.6345                   | 2.9660           | 269.9400                      | 22.9500            | 38.4575                     | 50.2400                 | 0.9200                      |
| 26/02/2015           | 97.1782           | 1.4516                      | 0.1612               | 1.5785                   | 1.8501           | 264.4600                      | 22.5800            | 38.0961                     | 50.0000                 | 0.0400                      |
| 27/02/2015           | 96.8804           | 1.6010                      | 0.1260               | 1.7181                   | 1.3418           | 264.2300                      | 22.3400            | 37.8316                     | 49.6400                 | 0.8500                      |
| 28/02/2015           | 96.7942           | 1.5647                      | 0.1268               | 1.6863                   | 1.2847           | 264.2700                      | 22.4400            | 37.8316                     | 49.6400                 | 0.9400                      |

|        |         |        |        |        |        |          |         |         |         |        |
|--------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Máximo | 97.1783 | 1.8043 | 0.2171 | 1.9312 | 2.9660 | 269.9400 | 48.7800 | 38.4575 | 50.2400 | 3.7900 |
|--------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

Observaciones:

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**

**(Registros mínimos diarios)**

PERMISIONARIO: **Kinder Morgan Gas Natural Mexico, S. de R.L. de C.V.**  
 PUNTO DE MEDICIÓN: **PEMEX/KMGNM Estación MI: 40572**  
 ZONA DE MEDICIÓN: **RESTO DEL PAÍS**

| FECHA:<br>(dd/mm/aa) | Metano<br>(% vol) | Bióxido de Carbono<br>(% vol) | Nitrógeno<br>(% vol) | Total Inertes<br>(% vol) | Etano<br>(% vol) | Temperatura de<br>Rocío<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 Sulfúrico<br>(mg/m <sup>3</sup> ) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|------------------------------------------|--------------------------------------|-----------------------------------------|
| 01/02/2015           | 96.8689           | 1.4120                        | 0.1250               | 1.5373                   | 1.0890           | 261.7100                       | 18.3700                         | 37.7571                                  | 49.6100                              | 2.1900                                  |
| 02/02/2015           | 96.3466           | 1.4464                        | 0.1233               | 1.5723                   | 1.1357           | 261.5900                       | 16.2500                         | 37.7720                                  | 49.5900                              | 2.4000                                  |
| 03/02/2015           | 96.7077           | 1.4473                        | 0.1209               | 1.5719                   | 1.2435           | 261.3600                       | 14.7900                         | 37.8092                                  | 49.6300                              | 2.9300                                  |
| 04/02/2015           | 96.5368           | 1.4537                        | 0.1056               | 1.5762                   | 1.3011           | 261.6000                       | 14.5800                         | 37.8241                                  | 49.5700                              | 3.1000                                  |
| 05/02/2015           | 96.0926           | 1.4864                        | 0.1125               | 1.6054                   | 1.2057           | 261.0100                       | 14.5200                         | 37.7496                                  | 49.4900                              | 3.0100                                  |
| 06/02/2015           | 96.3922           | 1.2421                        | 0.1092               | 1.3630                   | 1.2182           | 257.7500                       | 14.7900                         | 37.7683                                  | 49.5000                              | 3.1300                                  |
| 07/02/2015           | 96.2251           | 1.4798                        | 0.1082               | 1.5960                   | 1.2525           | 260.8000                       | 15.8200                         | 37.7794                                  | 49.5300                              | 3.0400                                  |
| 08/02/2015           | 96.4876           | 1.5706                        | 0.1070               | 1.6877                   | 1.2825           | 261.5400                       | 18.9100                         | 37.7645                                  | 49.5100                              | 2.9600                                  |
| 09/02/2015           | 96.4691           | 1.5494                        | 0.1145               | 1.6743                   | 1.2672           | 261.0500                       | 23.2300                         | 37.7645                                  | 49.4900                              | 2.8300                                  |
| 10/02/2015           | 96.2339           | 1.5296                        | 0.1187               | 1.6726                   | 1.2983           | 263.5200                       | 13.4100                         | 37.8018                                  | 49.5000                              | 2.8500                                  |
| 11/02/2015           | 96.3391           | 1.4417                        | 0.1180               | 1.5630                   | 1.2240           | 262.3200                       | 14.3900                         | 37.7198                                  | 49.4000                              | 2.8100                                  |
| 12/02/2015           | 96.1461           | 1.4928                        | 0.1148               | 1.6171                   | 1.3168           | 262.8800                       | 18.3400                         | 37.8130                                  | 49.4600                              | 2.7900                                  |
| 13/02/2015           | 96.1966           | 1.4480                        | 0.1177               | 1.6036                   | 1.3370           | 263.6000                       | 18.3400                         | 37.8055                                  | 49.5300                              | 3.0700                                  |
| 14/02/2015           | 96.3900           | 1.4705                        | 0.1226               | 1.5993                   | 1.2461           | 263.1100                       | 19.0600                         | 37.7832                                  | 49.5300                              | 2.4300                                  |
| 15/02/2015           | 96.6445           | 1.4911                        | 0.1231               | 1.6179                   | 1.1888           | 263.6100                       | 19.6700                         | 37.7757                                  | 49.5600                              | 2.5900                                  |
| 16/02/2015           | 96.6248           | 1.4895                        | 0.1211               | 1.6163                   | 1.2458           | 263.1500                       | 19.3500                         | 37.7906                                  | 49.5600                              | 2.2500                                  |
| 17/02/2015           | 96.5979           | 1.4895                        | 0.1162               | 1.6261                   | 1.2061           | 262.4900                       | 13.8500                         | 37.7794                                  | 49.5400                              | 2.4300                                  |
| 18/02/2015           | 96.5774           | 1.4897                        | 0.1183               | 1.6175                   | 1.2314           | 262.2700                       | 14.7900                         | 37.7981                                  | 49.5600                              | 2.5200                                  |
| 19/02/2015           | 96.2463           | 1.2254                        | 0.1189               | 1.3740                   | 1.1991           | 263.4800                       | 16.1900                         | 37.8018                                  | 49.5300                              | 2.4600                                  |
| 20/02/2015           | 96.4989           | 1.4198                        | 0.1216               | 1.5466                   | 1.2306           | 263.6100                       | 19.8600                         | 37.7906                                  | 49.5500                              | 2.3900                                  |
| 21/02/2015           | 96.6412           | 1.5399                        | 0.1202               | 1.6673                   | 1.2118           | 263.9900                       | 33.3900                         | 37.7869                                  | 49.5400                              | 1.4900                                  |
| 22/02/2015           | 96.5465           | 1.2874                        | 0.1168               | 1.4119                   | 1.1215           | 264.4300                       | 37.3800                         | 37.7198                                  | 49.4900                              | 1.3200                                  |
| 23/02/2015           | 96.6180           | 1.3976                        | 0.1247               | 1.5265                   | 1.2042           | 263.0700                       | 26.1800                         | 37.7981                                  | 49.6100                              | 1.2100                                  |
| 24/02/2015           | 96.0089           | 1.3173                        | 0.1217               | 1.4536                   | 1.2676           | 263.6900                       | 18.9500                         | 37.8279                                  | 49.4600                              | 1.3600                                  |
| 25/02/2015           | 95.3391           | 1.0790                        | 0.1269               | 1.2441                   | 1.1827           | 259.0800                       | 16.9700                         | 37.8390                                  | 49.7800                              | 0.0100                                  |
| 26/02/2015           | 96.2810           | 1.0777                        | 0.1257               | 1.2356                   | 1.1609           | 259.5800                       | 17.9500                         | 37.8167                                  | 49.6600                              | 0.0100                                  |
| 27/02/2015           | 96.5567           | 1.4543                        | 0.1166               | 1.5803                   | 1.2202           | 261.7700                       | 18.2600                         | 37.7906                                  | 49.5500                              | 0.0300                                  |
| 28/02/2015           | 96.6582           | 1.4835                        | 0.1205               | 1.6050                   | 1.2304           | 263.1400                       | 17.9700                         | 37.7943                                  | 49.5700                              | 0.8400                                  |
|                      |                   |                               |                      |                          |                  |                                |                                 |                                          |                                      |                                         |
|                      |                   |                               |                      |                          |                  |                                |                                 |                                          |                                      |                                         |
|                      |                   |                               |                      |                          |                  |                                |                                 |                                          |                                      |                                         |
| <b>Mínimo</b>        | <b>95.3391</b>    | <b>1.0777</b>                 | <b>0.1056</b>        | <b>1.2356</b>            | <b>1.0890</b>    | <b>257.7500</b>                | <b>13.4100</b>                  | <b>37.7198</b>                           | <b>49.4000</b>                       | <b>0.0100</b>                           |

Observaciones: