

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



(Valores promedio diarios)

|                           |  |
|---------------------------|--|
| <b>PERMISIONARIO:</b>     | <b>TERMIINAL KMS DE GNL S DE R.L DE C.V.</b> |
| <b>PUNTO DE MEDICIÓN:</b> | <b>ESTACION DE MEDICION MANZANILLO.</b>      |
| <b>ZONA DE MEDICIÓN:</b>  | <b>RESTO DEL PAÍS</b>                        |

| 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<br>de Rocío<br>(K) | Humedad<br>(mg/m <sup>3</sup> ) | Poder<br>Calorífico<br>(MJ/m <sup>3</sup> ) | Índice<br>Wobbe<br>(MJ/m <sup>3</sup> ) | Acido<br>Sulfhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|---|---|--|---------------------------------------|---------------------|
| 01/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 02/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 03/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 04/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 05/08/2012           | 87.6539           | 0.0000                           | 0.0856               | 0.0856                   | 12.1283          | 219.9994                       | 13.8090                         | 41.3285                                     | 52.6734                                 | 0.0000                                       |                                       |                     |
| 06/08/2012           | 88.2540           | 0.0000                           | 0.2300               | 0.2300                   | 11.3962          | 218.2320                       | 13.8090                         | 41.0573                                     | 52.4269                                 | 0.0000                                       |                                       |                     |
| 07/08/2012           | 88.7712           | 0.0000                           | 0.5620               | 0.5620                   | 10.5600          | 216.3764                       | 13.8090                         | 40.6648                                     | 52.0628                                 | 0.0000                                       |                                       |                     |
| 08/08/2012           | 88.6802           | 0.0000                           | 0.5687               | 0.5687                   | 10.6435          | 216.5799                       | 13.8090                         | 40.6917                                     | 52.0840                                 | 0.0000                                       |                                       |                     |
| 09/08/2012           | 88.6182           | 0.0000                           | 0.5125               | 0.5125                   | 10.7607          | 216.8515                       | 13.8090                         | 40.7474                                     | 52.1415                                 | 0.0000                                       |                                       |                     |
| 10/08/2012           | 88.6607           | 0.0000                           | 0.4789               | 0.4789                   | 10.7517          | 216.8199                       | 13.8090                         | 40.7575                                     | 52.1591                                 | 0.0000                                       |                                       |                     |
| 11/08/2012           | 88.4827           | 0.0000                           | 0.3283               | 0.3283                   | 11.0809          | 217.6106                       | 13.8090                         | 40.9089                                     | 52.3108                                 | 0.0000                                       |                                       |                     |
| 12/08/2012           | 88.4797           | 0.0001                           | 0.3794               | 0.3794                   | 11.0287          | 217.6246                       | 13.8090                         | 40.8786                                     | 52.2727                                 | 0.0000                                       |                                       |                     |
| 13/08/2012           | 88.3806           | 0.0000                           | 0.3141               | 0.3141                   | 11.1919          | 217.8060                       | 13.8090                         | 40.9494                                     | 52.3400                                 | 0.0000                                       |                                       |                     |
| 14/08/2012           | 88.4899           | 0.0000                           | 0.3242               | 0.3242                   | 11.0736          | 217.5333                       | 13.8090                         | 40.9107                                     | 52.3105                                 | 0.0000                                       |                                       |                     |
| 15/08/2012           | 88.4570           | 0.0000                           | 0.2981               | 0.2981                   | 11.1320          | 217.7007                       | 13.8090                         | 40.9378                                     | 52.3419                                 | 0.0000                                       |                                       |                     |
| 16/08/2012           | 87.3880           | 0.0000                           | 1.3030               | 1.3030                   | 11.1948          | 218.0823                       | 13.8090                         | 41.0046                                     | 52.3959                                 | 0.0000                                       |                                       |                     |
| 17/08/2012           | 88.2677           | 0.0000                           | 0.2455               | 0.2455                   | 11.3717          | 218.1917                       | 13.8090                         | 41.0280                                     | 52.4129                                 | 0.0000                                       |                                       |                     |
| 18/08/2012           | 88.3370           | 0.0000                           | 0.2521               | 0.2521                   | 11.3083          | 218.0550                       | 13.8090                         | 41.0063                                     | 52.3977                                 | 0.0000                                       |                                       |                     |
| 19/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 20/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 21/08/2012           | 88.4334           | 0.0000                           | 0.2903               | 0.2903                   | 11.1632          | 217.7496                       | 13.8090                         | 40.9498                                     | 52.3502                                 | 0.0000                                       |                                       |                     |
| 22/08/2012           | 88.3529           | 0.0000                           | 0.2646               | 0.2646                   | 11.2685          | 220.6283                       | 13.8090                         | 40.9904                                     | 52.3841                                 | 0.0000                                       |                                       |                     |
| 23/08/2012           | 88.3101           | 0.0000                           | 0.2409               | 0.2409                   | 11.3386          | 218.1285                       | 13.8090                         | 41.0199                                     | 52.4114                                 | 0.0000                                       |                                       |                     |
| 24/08/2012           | 87.5931           | 0.0000                           | 1.0989               | 1.0989                   | 11.1946          | 218.0388                       | 13.8090                         | 41.0108                                     | 52.4121                                 | 0.0000                                       |                                       |                     |
| 25/08/2012           | 88.3434           | 0.0000                           | 0.2077               | 0.2077                   | 11.3338          | 218.4777                       | 13.8090                         | 41.0310                                     | 52.4317                                 | 0.0000                                       |                                       |                     |
| 26/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 27/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |   |   |  |                                       |                     |
| 28/08/2012           | 88.3076           | 0.0000                           | 0.2124               | 0.2124                   | 11.3636          | 219.0551                       | 13.8090                         | 41.0392                                     | 52.4323                                 | 0.0000                                       |                                       |                     |
| 29/08/2012           | 87.5665           | 0.0000                           | 1.2238               | 1.2238                   | 11.0972          | 218.6199                       | 13.8090                         | 40.9903                                     | 52.4050                                 | 0.0000                                       |                                       |                     |
| 30/08/2012           | 87.6703           | 0.0000                           | 1.0391               | 1.0391                   | 11.1773          | 218.6548                       | 13.8090                         | 41.0169                                     | 52.4299                                 | 0.0000                                       |                                       |                     |
| 31/08/2012           | 88.1947           | 0.0000                           | 0.1666               | 0.1666                   | 11.5219          | 218.3887                       | 13.8090                         | 41.1020                                     | 52.4911                                 | 0.0000                                       |                                       |                     |

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

|                   |            |            |            |            |            |            |            |            |            |        |  |  |
|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|--|--|
| <b>Mínimo</b>     | 87.3880    | 0.0000     | 0.0856     | 0.0856     | 10.5600    | 216.3764   | 13.8090    | 40.6648    | 52.0628    | 0.0000 |  |  |
| <b>Promedio</b>   | 88.2475    | 0.0000     | 0.4620     | 0.4620     | 11.1774    | 218.0524   | 13.8090    | 40.9575    | 52.3512    | 0.0000 |  |  |
| <b>Máximo</b>     | 88.7712    | 0.0001     | 1.3030     | 1.3030     | 12.1283    | 220.6283   | 13.8090    | 41.3285    | 52.6734    | 0.0000 |  |  |
| <b>Desv. Est.</b> | 0.39250086 | 1.1262E-05 | 0.35425021 | 0.35425021 | 0.32277019 | 0.98468235 | 3.6326E-15 | 0.14370523 | 0.13697601 | 0      |  |  |

Observaciones:  
 Días 01, 02, 03 & 04 sin envío.  
 Día 05 se reanuda envío 18:00 Hrs.  
 Días 18, 19 & 20 sin envío.  
 Día 21 se reanuda envío 10:00 Hrs.  
 Días 25, 26 & 27 sin envío.  
 Día 28 se reanuda envío 13:00 Hrs.  
 Día 31 sin envío.

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



**PERMISIONARIO:** **TERMIINAL KMS DE GNL S DE R.L DE C.V.**  
**PUNTO DE MEDICIÓN:** **ESTACION DE MEDICION MANZANILLO.**  
**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/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido Sulhídrico<br>(mg/m <sup>3</sup> ) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 02/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 03/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 04/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 05/08/2012           | 86.7055           | 0.0000                           | 0.4950               | 0.4950                   | 12.6575          | 221.4438                       | 13.8090                         | 41.5680                                  | 52.8098                              | 0.0000                                   |
| 06/08/2012           | 87.2614           | 0.0000                           | 0.8604               | 0.8604                   | 11.7506          | 219.6349                       | 13.8090                         | 41.2820                                  | 52.6440                              | 0.0000                                   |
| 07/08/2012           | 88.2052           | 0.0000                           | 0.6053               | 0.6053                   | 11.0774          | 217.3076                       | 13.8090                         | 40.9410                                  | 52.2956                              | 0.0000                                   |
| 08/08/2012           | 88.6320           | 0.0000                           | 0.5927               | 0.5927                   | 10.6675          | 216.6931                       | 13.8090                         | 40.7100                                  | 52.1071                              | 0.0000                                   |
| 09/08/2012           | 88.4788           | 0.0000                           | 0.5457               | 0.5457                   | 10.8653          | 217.1201                       | 13.8090                         | 40.8060                                  | 52.1977                              | 0.0000                                   |
| 10/08/2012           | 88.5449           | 0.0000                           | 0.4906               | 0.4906                   | 10.8547          | 217.0686                       | 13.8090                         | 40.8000                                  | 52.1867                              | 0.0000                                   |
| 11/08/2012           | 88.2216           | 0.0000                           | 0.4614               | 0.4614                   | 11.2023          | 218.0004                       | 13.8090                         | 40.9810                                  | 52.3739                              | 0.0000                                   |
| 12/08/2012           | 88.2848           | 0.0009                           | 0.4414               | 0.4414                   | 11.1565          | 220.9741                       | 13.8090                         | 40.9840                                  | 52.3463                              | 0.0000                                   |
| 13/08/2012           | 88.3570           | 0.0000                           | 0.3290               | 0.3290                   | 11.1998          | 217.8693                       | 13.8090                         | 40.9560                                  | 52.3494                              | 0.0000                                   |
| 14/08/2012           | 88.3397           | 0.0000                           | 0.3740               | 0.3740                   | 11.1725          | 217.8532                       | 13.8090                         | 40.9550                                  | 52.3519                              | 0.0000                                   |
| 15/08/2012           | 88.4050           | 0.0000                           | 0.3528               | 0.3528                   | 11.1283          | 217.8018                       | 13.8090                         | 40.9450                                  | 52.3481                              | 0.0000                                   |
| 16/08/2012           | 70.4698           | 0.0000                           | 20.3815              | 20.3815                  | 9.0413           | 218.2256                       | 13.8090                         | 41.0190                                  | 52.4170                              | 0.0000                                   |
| 17/08/2012           | 88.2482           | 0.0000                           | 0.2536               | 0.2536                   | 11.3826          | 218.2427                       | 13.8090                         | 41.0350                                  | 52.4222                              | 0.0000                                   |
| 18/08/2012           | 88.2396           | 0.0000                           | 0.2720               | 0.2720                   | 11.3730          | 218.2814                       | 13.8090                         | 41.0380                                  | 52.4263                              | 0.0000                                   |
| 19/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 20/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 21/08/2012           | 88.1292           | 0.0000                           | 0.3585               | 0.3585                   | 11.3963          | 218.4845                       | 13.8090                         | 41.0770                                  | 52.4758                              | 0.0000                                   |
| 22/08/2012           | 88.3241           | 0.0000                           | 0.2738               | 0.2738                   | 11.2876          | 239.1407                       | 13.8090                         | 41.0020                                  | 52.3953                              | 0.0000                                   |
| 23/08/2012           | 88.2671           | 0.0000                           | 0.2520               | 0.2520                   | 11.3655          | 218.2124                       | 13.8090                         | 41.0350                                  | 52.4241                              | 0.0000                                   |
| 24/08/2012           | 72.9690           | 0.0000                           | 17.5545              | 17.5545                  | 9.3811           | 218.2270                       | 13.8090                         | 41.0380                                  | 52.4317                              | 0.0000                                   |
| 25/08/2012           | 88.3434           | 0.0000                           | 0.2077               | 0.2077                   | 11.3338          | 218.7406                       | 13.8090                         | 41.0310                                  | 52.4317                              | 0.0000                                   |
| 26/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 27/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 28/08/2012           | 87.6556           | 0.0000                           | 0.2304               | 0.2304                   | 11.9681          | 236.3545                       | 13.8090                         | 41.2930                                  | 52.6856                              | 0.0000                                   |
| 29/08/2012           | 71.0264           | 0.0000                           | 19.7605              | 19.7605                  | 9.1206           | 236.1606                       | 13.8090                         | 41.0420                                  | 52.4398                              | 0.0000                                   |
| 30/08/2012           | 73.3574           | 0.0000                           | 17.0956              | 17.0956                  | 9.4512           | 236.1384                       | 13.8090                         | 41.0590                                  | 52.4869                              | 0.0000                                   |
| 31/08/2012           | 87.9934           | 0.0000                           | 0.1827               | 0.1827                   | 11.7049          | 219.0398                       | 13.8090                         | 41.1790                                  | 52.5428                              | 0.0000                                   |
| <b>Máximo</b>        | 88.6320           | 0.0009                           | 20.3815              | 20.3815                  | 12.6575          | 239.1407                       | 13.8090                         | 41.5680                                  | 52.8098                              | 0.0000                                   |

Observaciones:

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

**(Registros mínimos diarios)**



**PERMISIONARIO:**

**TERMINAL KMS DE GNL S DE R.L DE C.V.**

**PUNTO DE MEDICIÓN:**

**ESTACION DE MEDICION MANZANILLO.**

**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/m <sup>3</sup> ) | Poder Calorífico<br>(MJ/m <sup>3</sup> ) | Índice Wobbe<br>(MJ/m <sup>3</sup> ) | Acido Sulhídrico<br>(mg/m <sup>3</sup> ) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 02/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 03/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 04/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 05/08/2012           | 88.2512           | 0.0000                           | 0.0189               | 0.0189                   | 11.6042          | 218.9711                       | 13.8090                         | 41.1010                                  | 52.5810                              | 0.0000                                   |
| 06/08/2012           | 89.0644           | 0.0000                           | 0.0608               | 0.0608                   | 10.7659          | 216.3115                       | 13.8090                         | 40.7750                                  | 52.1566                              | 0.0000                                   |
| 07/08/2012           | 89.0382           | 0.0000                           | 0.2970               | 0.2970                   | 10.5582          | 216.2000                       | 13.8090                         | 40.6300                                  | 52.0127                              | 0.0000                                   |
| 08/08/2012           | 88.8014           | 0.0000                           | 0.5546               | 0.5546                   | 10.5377          | 216.3018                       | 13.8090                         | 40.6450                                  | 52.0464                              | 0.0000                                   |
| 09/08/2012           | 88.7259           | 0.0000                           | 0.4553               | 0.4553                   | 10.7129          | 216.6767                       | 13.8090                         | 40.7140                                  | 52.1017                              | 0.0000                                   |
| 10/08/2012           | 88.6993           | 0.0000                           | 0.4621               | 0.4621                   | 10.7301          | 216.7385                       | 13.8090                         | 40.7420                                  | 52.1445                              | 0.0000                                   |
| 11/08/2012           | 89.0807           | 0.0000                           | 0.1071               | 0.1071                   | 10.7970          | 216.8790                       | 13.8090                         | 40.7500                                  | 52.1806                              | 0.0000                                   |
| 12/08/2012           | 88.6692           | 0.0000                           | 0.3189               | 0.3189                   | 10.9016          | 217.0869                       | 13.8090                         | 40.8040                                  | 52.2001                              | 0.0000                                   |
| 13/08/2012           | 88.4196           | 0.0000                           | 0.3073               | 0.3073                   | 11.1602          | 217.7252                       | 13.8090                         | 40.9330                                  | 52.3251                              | 0.0000                                   |
| 14/08/2012           | 88.6445           | 0.0000                           | 0.2923               | 0.2923                   | 10.9525          | 217.1985                       | 13.8090                         | 40.8460                                  | 52.2545                              | 0.0000                                   |
| 15/08/2012           | 88.5989           | 0.0000                           | 0.2916               | 0.2916                   | 10.9980          | 217.6194                       | 13.8090                         | 40.8720                                  | 52.3316                              | 0.0000                                   |
| 16/08/2012           | 88.4687           | 0.0000                           | 0.2528               | 0.2528                   | 11.1655          | 217.6904                       | 13.8090                         | 40.9420                                  | 52.3431                              | 0.0000                                   |
| 17/08/2012           | 88.2944           | 0.0000                           | 0.2388               | 0.2388                   | 11.3521          | 218.0836                       | 13.8090                         | 41.0180                                  | 52.3890                              | 0.0000                                   |
| 18/08/2012           | 88.5328           | 0.0000                           | 0.2379               | 0.2379                   | 11.2224          | 217.7541                       | 13.8090                         | 40.9630                                  | 52.3586                              | 0.0000                                   |
| 19/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 20/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 21/08/2012           | 88.7586           | 0.0000                           | 0.1880               | 0.1880                   | 10.9429          | 217.0891                       | 13.8090                         | 40.8390                                  | 52.2538                              | 0.0000                                   |
| 22/08/2012           | 88.3942           | 0.0000                           | 0.2548               | 0.2548                   | 11.2381          | 217.9269                       | 13.8090                         | 40.9760                                  | 52.3714                              | 0.0000                                   |
| 23/08/2012           | 88.4440           | 0.0000                           | 0.2306               | 0.2306                   | 11.3196          | 218.0227                       | 13.8090                         | 41.0040                                  | 52.3949                              | 0.0000                                   |
| 24/08/2012           | 88.5776           | 0.0000                           | 0.2111               | 0.2111                   | 11.0989          | 217.4684                       | 13.8090                         | 40.9230                                  | 52.3320                              | 0.0000                                   |
| 25/08/2012           | 88.3434           | 0.0000                           | 0.2077               | 0.2077                   | 11.3338          | 218.0513                       | 13.8090                         | 41.0310                                  | 52.4317                              | 0.0000                                   |
| 26/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 27/08/2012           |                   |                                  |                      |                          |                  |                                |                                 |  |                                      |  |
| 28/08/2012           | 88.5231           | 0.0000                           | 0.0887               | 0.0887                   | 11.2731          | 217.9370                       | 13.8090                         | 41.0000                                  | 52.4014                              | 0.0000                                   |
| 29/08/2012           | 88.6030           | 0.0000                           | 0.2068               | 0.2068                   | 11.0779          | 217.4744                       | 13.8090                         | 40.9290                                  | 52.3561                              | 0.0000                                   |
| 30/08/2012           | 88.4472           | 0.0000                           | 0.1807               | 0.1807                   | 11.2581          | 215.9782                       | 13.8090                         | 41.0040                                  | 52.4151                              | 0.0000                                   |
| 31/08/2012           | 88.3608           | 0.0000                           | 0.1453               | 0.1453                   | 11.3785          | 218.0542                       | 13.8090                         | 41.0390                                  | 52.4468                              | 0.0000                                   |
| <b>Mínimo</b>        | 88.2512           | 0.0000                           | 0.0189               | 0.0189                   | 10.5377          | 215.9782                       | 13.8090                         | 40.6300                                  | 52.0127                              | 0.0000                                   |

Observaciones: