



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

PERMISIONARIO: CENTRO NACIONAL DE CONTROL DEL GAS NATURAL (CENAGAS)  
 PUNTO DE MEDICION: Fenosa  
 ZONA DE MEDICION: RESTO DEL PAIS

| 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 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 Sulfhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|--|--------------------------------------|---|---------------------------------------|---------------------|
| 01/08/16 09:00:00    | 89.4479           | 0.2511                        | 2.1532               | 2.4042                   | 7.2490           | 223.8381                    |                                 | 39.4881                                  | 50.5181                              |   |                                       |                     |
| 02/08/16 09:00:00    | 89.2822           | 0.2398                        | 2.2549               | 2.4946                   | 7.3434           | 223.7805                    |                                 | 39.4687                                  | 50.4706                              |   |                                       |                     |
| 03/08/16 09:00:00    | 90.0599           | 0.2157                        | 2.1681               | 2.3848                   | 6.7831           | 222.7066                    |                                 | 39.2873                                  | 50.4197                              |   |                                       |                     |
| 04/08/16 09:00:00    | 90.7297           | 0.2607                        | 1.9380               | 2.1987                   | 6.4018           | 218.2180                    |                                 | 39.1832                                  | 50.4324                              |   |                                       |                     |
| 05/08/16 09:00:00    | 90.0900           | 0.3753                        | 2.0644               | 2.4397                   | 6.6547           | 219.8064                    |                                 | 39.2520                                  | 50.3388                              |   |                                       |                     |
| 06/08/16 09:00:00    | 90.2815           | 0.3096                        | 2.0665               | 2.3762                   | 6.6287           | 216.8045                    |                                 | 39.2028                                  | 50.3539                              |   |                                       |                     |
| 07/08/16 09:00:00    | 89.9683           | 0.2919                        | 2.1328               | 2.4247                   | 6.8723           | 217.0619                    |                                 | 39.2653                                  | 50.3726                              |   |                                       |                     |
| 08/08/16 09:00:00    | 89.6979           | 0.2965                        | 2.1398               | 2.4362                   | 7.0298           | 218.4458                    |                                 | 39.3671                                  | 50.4245                              |   |                                       |                     |
| 09/08/16 09:00:00    | 90.1394           | 0.2545                        | 2.1128               | 2.3672                   | 6.7439           | 217.5838                    |                                 | 39.2613                                  | 50.4040                              |   |                                       |                     |
| 10/08/16 09:00:00    | 90.2248           | 0.2415                        | 2.1668               | 2.4083                   | 6.6266           | 218.3757                    |                                 | 39.2084                                  | 50.3585                              |   |                                       |                     |
| 11/08/16 09:00:00    | 90.1627           | 0.2400                        | 2.2109               | 2.4509                   | 6.6757           | 217.9101                    |                                 | 39.1880                                  | 50.3285                              |   |                                       |                     |
| 12/08/16 09:00:00    | 90.1003           | 0.2786                        | 2.1066               | 2.3852                   | 6.7870           | 217.1456                    |                                 | 39.2521                                  | 50.3854                              |   |                                       |                     |
| 13/08/16 09:00:00    | 90.0626           | 0.3330                        | 1.9983               | 2.3313                   | 6.8782           | 217.4574                    |                                 | 39.2991                                  | 50.4236                              |   |                                       |                     |
| 14/08/16 09:00:00    | 89.8800           | 0.2650                        | 2.1219               | 2.3869                   | 6.9775           | 219.5163                    |                                 | 39.3292                                  | 50.4319                              |   |                                       |                     |
| 15/08/16 09:00:00    | 89.9735           | 0.3163                        | 2.0733               | 2.3896                   | 6.8798           | 219.4193                    |                                 | 39.3018                                  | 50.4031                              |   |                                       |                     |
| 16/08/16 09:00:00    | 90.7224           | 0.4017                        | 1.9001               | 2.3018                   | 6.3539           | 216.1264                    |                                 | 39.0994                                  | 50.3063                              |   |                                       |                     |
| 17/08/16 09:00:00    | 90.5277           | 0.2712                        | 2.1520               | 2.4232                   | 6.4310           | 217.0610                    |                                 | 39.0751                                  | 50.2688                              |   |                                       |                     |
| 18/08/16 09:00:00    | 90.4882           | 0.2445                        | 2.0931               | 2.3376                   | 6.6072           | 214.9610                    |                                 | 39.1231                                  | 50.3406                              |   |                                       |                     |
| 19/08/16 09:00:00    | 90.2685           | 0.2455                        | 2.0762               | 2.3217                   | 6.7917           | 215.7294                    |                                 | 39.2110                                  | 50.3978                              |   |                                       |                     |
| 20/08/16 09:00:00    | 90.0897           | 0.2678                        | 2.0423               | 2.3100                   | 6.9521           | 215.6257                    |                                 | 39.2770                                  | 50.4356                              |   |                                       |                     |
| 21/08/16 09:00:00    | 90.3338           | 0.3301                        | 1.9281               | 2.2582                   | 6.7544           | 215.6014                    |                                 | 39.2447                                  | 50.4255                              |   |                                       |                     |
| 22/08/16 09:00:00    | 90.1091           | 0.3345                        | 1.9833               | 2.3178                   | 6.8753           | 216.3403                    |                                 | 39.2827                                  | 50.4199                              |   |                                       |                     |
| 23/08/16 09:00:00    | 90.1024           | 0.2644                        | 1.9934               | 2.2578                   | 6.9683           | 217.2729                    |                                 | 39.3193                                  | 50.4836                              |   |                                       |                     |
| 24/08/16 09:00:00    | 90.3788           | 0.2601                        | 1.9881               | 2.2482                   | 6.7672           | 216.6117                    |                                 | 39.2272                                  | 50.4362                              |   |                                       |                     |
| 25/08/16 09:00:00    | 89.7930           | 0.1670                        | 2.1435               | 2.3105                   | 7.1550           | 220.5972                    |                                 | 39.4010                                  | 50.5292                              |   |                                       |                     |
| 26/08/16 09:00:00    | 89.7335           | 0.2338                        | 2.1445               | 2.3782                   | 7.1032           | 220.0464                    |                                 | 39.3837                                  | 50.4740                              |   |                                       |                     |
| 27/08/16 09:00:00    | 90.1595           | 0.2844                        | 1.9845               | 2.2689                   | 6.8980           | 216.7781                    |                                 | 39.2939                                  | 50.4594                              |   |                                       |                     |
| 28/08/16 09:00:00    | 89.7585           | 0.1965                        | 2.1213               | 2.3178                   | 7.2816           | 215.7832                    |                                 | 39.3618                                  | 50.4974                              |   |                                       |                     |
| 29/08/16 09:00:00    | 89.9587           | 0.1698                        | 2.0987               | 2.2684                   | 7.1145           | 217.6267                    |                                 | 39.3475                                  | 50.5169                              |   |                                       |                     |
| 30/08/16 09:00:00    | 90.1431           | 0.1534                        | 2.0907               | 2.2441                   | 6.9341           | 219.2253                    |                                 | 39.3200                                  | 50.5155                              |   |                                       |                     |
| 31/08/16 09:00:00    | 89.8970           | 0.1496                        | 2.1467               | 2.2962                   | 7.1244           | 219.2926                    |                                 | 39.3578                                  | 50.5150                              |   |                                       |                     |

\*/ 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>      | 89.2822 | 0.1496 | 1.9001 | 2.1987 | 6.3539 | 214.9610 |  | 39.0751 | 50.2688 |  |  |  |
| <b>Promedios</b>   | 90.0827 | 0.2627 | 2.0837 | 2.3464 | 6.8595 | 218.1532 |  | 39.2800 | 50.4222 |  |  |  |
| <b>Maximo</b>      | 90.7297 | 0.4017 | 2.2549 | 2.4946 | 7.3434 | 223.8381 |  | 39.4881 | 50.5292 |  |  |  |
| <b>D. Standard</b> | 0.3202  | 0.0597 | 0.0850 | 0.0723 | 0.2491 | 2.2835   |  | 0.0958  | 0.0675  |  |  |  |

Observaciones:



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

PERMISIONARIO: CENTRO NACIONAL DE CONTROL DEL GAS NATURAL (CENAGAS)  
 PUNTO DE MEDICION: Naco  
 ZONA DE MEDICION: RESTO DEL PAIS

| 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 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 Sulhídrico<br>(mg/m <sup>3</sup> ) | Azufre total*<br>(mg/m <sup>3</sup> ) | Oxígeno*<br>(% vol) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|--|--------------------------------------|--|---------------------------------------|---------------------|
| 01/08/16 09:00:00    | 89.4479           | 0.2511                        | 2.1532               | 2.4042                   | 7.2490           | 223.8381                    | 19.0602                         | 39.4881                                  | 50.5181                              | 0.0472                                   |                                       |                     |
| 02/08/16 09:00:00    | 89.2822           | 0.2398                        | 2.2549               | 2.4946                   | 7.3434           | 223.7805                    | 19.2746                         | 39.4697                                  | 50.4706                              | 0.0587                                   |                                       |                     |
| 03/08/16 09:00:00    | 90.0599           | 0.2157                        | 2.1691               | 2.3848                   | 6.7831           | 222.7066                    | 15.6854                         | 39.2873                                  | 50.4197                              | 0.1465                                   |                                       |                     |
| 04/08/16 09:00:00    | 90.7297           | 0.2607                        | 1.9380               | 2.1987                   | 6.4018           | 218.2180                    | 19.2594                         | 39.1832                                  | 50.4324                              | 0.0726                                   |                                       |                     |
| 05/08/16 09:00:00    | 90.0900           | 0.3753                        | 2.0644               | 2.4397                   | 6.6547           | 219.8064                    | 19.3416                         | 39.2520                                  | 50.3388                              | 0.0477                                   |                                       |                     |
| 06/08/16 09:00:00    | 90.2815           | 0.3096                        | 2.0665               | 2.3762                   | 6.6287           | 216.8045                    | 20.6630                         | 39.2028                                  | 50.3539                              | 0.0448                                   |                                       |                     |
| 07/08/16 09:00:00    | 89.9683           | 0.2919                        | 2.1328               | 2.4247                   | 6.8723           | 217.0619                    | 21.1035                         | 39.2653                                  | 50.3726                              | 0.0620                                   |                                       |                     |
| 08/08/16 09:00:00    | 89.6979           | 0.2965                        | 2.1398               | 2.4362                   | 7.0298           | 218.4458                    | 17.2429                         | 39.3671                                  | 50.4245                              | 0.0469                                   |                                       |                     |
| 09/08/16 09:00:00    | 90.1394           | 0.2545                        | 2.1128               | 2.3672                   | 6.7439           | 217.5838                    | 18.5780                         | 39.2613                                  | 50.4040                              | 0.0288                                   |                                       |                     |
| 10/08/16 09:00:00    | 90.2248           | 0.2415                        | 2.1668               | 2.4083                   | 6.6266           | 218.3757                    | 19.1530                         | 39.2084                                  | 50.3585                              | 0.0290                                   |                                       |                     |
| 11/08/16 09:00:00    | 90.1627           | 0.2400                        | 2.2109               | 2.4509                   | 6.6757           | 217.9101                    | 18.3375                         | 39.1880                                  | 50.3285                              | 0.0356                                   |                                       |                     |
| 12/08/16 09:00:00    | 90.1003           | 0.2786                        | 2.1066               | 2.3852                   | 6.7870           | 217.1456                    | 18.2930                         | 39.2521                                  | 50.3854                              | 0.0327                                   |                                       |                     |
| 13/08/16 09:00:00    | 90.0626           | 0.3330                        | 1.9983               | 2.3313                   | 6.8782           | 217.4574                    | 18.1130                         | 39.2991                                  | 50.4236                              | 0.0377                                   |                                       |                     |
| 14/08/16 09:00:00    | 89.8800           | 0.2650                        | 2.1219               | 2.3869                   | 6.9775           | 219.5163                    | 18.0361                         | 39.3292                                  | 50.4319                              | 0.0489                                   |                                       |                     |
| 15/08/16 09:00:00    | 89.9735           | 0.3163                        | 2.0733               | 2.3896                   | 6.8798           | 219.4193                    | 18.4048                         | 39.3018                                  | 50.4031                              | 0.0513                                   |                                       |                     |
| 16/08/16 09:00:00    | 90.7224           | 0.4017                        | 1.9001               | 2.3018                   | 6.3539           | 216.1264                    | 19.1856                         | 39.0994                                  | 50.3063                              | 0.0561                                   |                                       |                     |
| 17/08/16 09:00:00    | 90.5277           | 0.2712                        | 2.1520               | 2.4232                   | 6.4310           | 217.0610                    | 19.5178                         | 39.0751                                  | 50.2688                              | 0.0489                                   |                                       |                     |
| 18/08/16 09:00:00    | 90.4882           | 0.2445                        | 2.0931               | 2.3376                   | 6.6072           | 214.9610                    | 18.3796                         | 39.1231                                  | 50.3406                              | 0.0392                                   |                                       |                     |
| 19/08/16 09:00:00    | 90.2685           | 0.2455                        | 2.0762               | 2.3217                   | 6.7917           | 215.7294                    | 12.1880                         | 39.2110                                  | 50.3978                              | 0.0362                                   |                                       |                     |
| 20/08/16 09:00:00    | 90.0897           | 0.2678                        | 2.0423               | 2.3100                   | 6.9521           | 215.6257                    | 13.9738                         | 39.2770                                  | 50.4356                              | 0.0342                                   |                                       |                     |
| 21/08/16 09:00:00    | 90.3338           | 0.3301                        | 1.9281               | 2.2582                   | 6.7544           | 215.6014                    | 15.0785                         | 39.2447                                  | 50.4255                              | 0.0377                                   |                                       |                     |
| 22/08/16 09:00:00    | 90.1091           | 0.3345                        | 1.9833               | 2.3178                   | 6.8753           | 216.3403                    | 16.4942                         | 39.2827                                  | 50.4199                              | 0.0446                                   |                                       |                     |
| 23/08/16 09:00:00    | 90.1024           | 0.2644                        | 1.9934               | 2.2578                   | 6.9683           | 217.2729                    | 16.2646                         | 39.3193                                  | 50.4836                              | 0.0503                                   |                                       |                     |
| 24/08/16 09:00:00    | 90.3788           | 0.2601                        | 1.9881               | 2.2482                   | 6.7672           | 216.6117                    | 16.0787                         | 39.2272                                  | 50.4362                              | 0.0447                                   |                                       |                     |
| 25/08/16 09:00:00    | 89.7930           | 0.1670                        | 2.1435               | 2.3105                   | 7.1550           | 220.5972                    | 14.0157                         | 39.4010                                  | 50.5292                              | 0.0402                                   |                                       |                     |
| 26/08/16 09:00:00    | 89.7335           | 0.2338                        | 2.1445               | 2.3782                   | 7.1032           | 220.0464                    | 12.1566                         | 39.3837                                  | 50.4740                              | 0.0583                                   |                                       |                     |
| 27/08/16 09:00:00    | 90.1595           | 0.2844                        | 1.9845               | 2.2689                   | 6.8980           | 216.7781                    | 11.6919                         | 39.2939                                  | 50.4594                              | 0.0635                                   |                                       |                     |
| 28/08/16 09:00:00    | 89.7585           | 0.1965                        | 2.1213               | 2.3178                   | 7.2816           | 215.7832                    | 11.6143                         | 39.3618                                  | 50.4974                              | 0.0682                                   |                                       |                     |
| 29/08/16 09:00:00    | 89.9587           | 0.1698                        | 2.0987               | 2.2684                   | 7.1145           | 217.6267                    | 17.6165                         | 39.3475                                  | 50.5169                              | 0.0558                                   |                                       |                     |
| 30/08/16 09:00:00    | 90.1431           | 0.1534                        | 2.0907               | 2.2441                   | 6.9341           | 219.2253                    | 20.6278                         | 39.3200                                  | 50.5155                              | 0.0614                                   |                                       |                     |
| 31/08/16 09:00:00    | 89.8970           | 0.1496                        | 2.1467               | 2.2962                   | 7.1244           | 219.2926                    | 21.3309                         | 39.3578                                  | 50.5150                              | 0.0467                                   |                                       |                     |

\*/ 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>      | 89.2822 | 0.1496 | 1.9001 | 2.1987 | 6.3539 | 214.9610 | 11.6143 | 39.0751 | 50.2688 | 0.0288 |  |  |
| <b>Promedios</b>   | 90.0827 | 0.2627 | 2.0837 | 2.3464 | 6.8595 | 218.1532 | 17.3149 | 39.2800 | 50.4222 | 0.0508 |  |  |
| <b>Maximo</b>      | 90.7297 | 0.4017 | 2.2549 | 2.4946 | 7.3434 | 223.8381 | 21.3309 | 39.4881 | 50.5292 | 0.1465 |  |  |
| <b>D. Standard</b> | 0.3202  | 0.0597 | 0.0850 | 0.0723 | 0.2491 | 2.2835   | 2.8069  | 0.0958  | 0.0675  | 0.0210 |  |  |

Observaciones: