

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

PERMISIONARIO: GASODUCTOS DE CHIHUAHUA S. DE R.L. DE C.V.
PUNTO DE MEDICIÓN: GLORIA A DIOS
ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA: (dd/mm/aa) | Metano (% vol) | Bióxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Roca (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) | Azufre total* (mg/m ³) | Oxígeno* (% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|-------------------------------|---------------------------------|---|--------------------------------------|--|---------------------------------------|---------------------|
| 01/12/2015 | 89.5387 | 0.1194 | 2.6463 | 2.7657 | 6.8539 | 218.2091 | 1.1624 | 39.1946 | 50.2214 | 0.1480 | 10.8000 | *ND |
| 02/12/2015 | 89.4611 | 0.1432 | 2.6712 | 2.8144 | 6.9353 | 218.7325 | 1.1094 | 39.1722 | 50.1819 | 0.2181 | | |
| 03/12/2015 | 89.0318 | 0.1795 | 2.6858 | 2.8653 | 7.1238 | 221.6949 | 1.8632 | 39.3232 | 50.2417 | 0.1983 | | |
| 04/12/2015 | 89.6452 | 0.2010 | 2.5202 | 2.7212 | 6.7225 | 223.4006 | 0.6600 | 39.2185 | 50.2357 | 0.2004 | | |
| 05/12/2015 | 89.7261 | 0.1614 | 2.5904 | 2.7518 | 6.6420 | 225.1737 | 1.0002 | 39.1692 | 50.2030 | 0.1638 | | |
| 06/12/2015 | 89.8276 | 0.1788 | 2.6093 | 2.7881 | 6.5546 | 224.8524 | 0.6390 | 39.0977 | 50.1421 | 0.1876 | | |
| 07/12/2015 | 89.7514 | 0.1565 | 2.5628 | 2.7193 | 6.6661 | 222.3024 | 0.7982 | 39.1774 | 50.2231 | 0.1793 | | |
| 08/12/2015 | 90.0871 | 0.1595 | 2.5900 | 2.7496 | 6.3995 | 223.8395 | 0.1250 | 39.0311 | 50.1250 | 0.1893 | | |
| 09/12/2015 | 89.7407 | 0.1747 | 2.6435 | 2.8182 | 6.6416 | 224.5426 | 0.5310 | 39.0899 | 50.1255 | 0.2053 | | |
| 10/12/2015 | 89.6593 | 0.1652 | 2.5987 | 2.7639 | 6.8197 | 219.8991 | 0.3872 | 39.1328 | 50.1764 | 0.1600 | | |
| 11/12/2015 | 89.7348 | 0.2022 | 2.4935 | 2.6956 | 6.6638 | 218.2833 | 1.1401 | 39.2138 | 50.2439 | 0.1509 | | |
| 12/12/2015 | 90.0792 | 0.2433 | 2.3488 | 2.5920 | 6.4017 | 226.0820 | 0.8560 | 39.1990 | 50.2710 | 0.1463 | | |
| 13/12/2015 | 89.9194 | 0.1807 | 2.4581 | 2.6389 | 6.5705 | 229.2620 | 0.6562 | 39.1893 | 50.2595 | 0.1553 | | |
| 14/12/2015 | 89.7136 | 0.2123 | 2.4141 | 2.6264 | 6.6977 | 225.8954 | 1.9144 | 39.2882 | 50.3144 | 0.1966 | | |
| 15/12/2015 | 89.6755 | 0.1644 | 2.4804 | 2.6448 | 6.7365 | 228.6730 | 0.5291 | 39.2778 | 50.3114 | 0.0514 | | |
| 16/12/2015 | 89.7779 | 0.1183 | 2.5851 | 2.7035 | 6.6205 | 224.1913 | 0.9553 | 39.1891 | 50.2454 | 0.0000 | | |
| 17/12/2015 | 90.0166 | 0.1125 | 2.6516 | 2.7641 | 6.4242 | 221.8172 | 0.8853 | 39.0484 | 50.1393 | 0.0019 | | |
| 18/12/2015 | 90.6090 | 0.1118 | 2.6185 | 2.7303 | 6.0766 | 219.2085 | 0.5254 | 38.8326 | 50.0303 | 0.0031 | | |
| 19/12/2015 | 90.5437 | 0.1923 | 2.5093 | 2.7016 | 6.0557 | 216.7792 | 1.0617 | 38.9126 | 50.0702 | 0.0046 | | |
| 20/12/2015 | 90.2675 | 0.2039 | 2.5969 | 2.8008 | 6.1905 | 219.7030 | 1.1359 | 38.9418 | 50.0408 | 0.0088 | | |
| 21/12/2015 | 90.0699 | 0.1763 | 2.5286 | 2.7050 | 6.4584 | 223.4803 | 1.4992 | 39.0651 | 50.1604 | 0.0115 | | |
| 22/12/2015 | 90.0510 | 0.1915 | 2.5042 | 2.6957 | 6.4452 | 221.5084 | 1.1238 | 39.0948 | 50.1779 | 0.0125 | | |
| 23/12/2015 | 89.9222 | 0.1483 | 2.6046 | 2.7528 | 6.5519 | 223.9333 | 1.4446 | 39.0801 | 50.1544 | 0.0175 | | |
| 24/12/2015 | 89.9080 | 0.1475 | 2.6467 | 2.7942 | 6.5110 | 222.0072 | 1.1482 | 39.0609 | 50.1253 | 0.0229 | | |
| 25/12/2015 | 90.1327 | 0.1411 | 2.6238 | 2.7649 | 6.3230 | 221.1861 | 1.1891 | 39.0160 | 50.1136 | 0.0255 | | |
| 26/12/2015 | 90.2169 | 0.1117 | 2.6192 | 2.7309 | 6.2963 | 221.8823 | 5.9056 | 39.0031 | 50.1279 | 0.0048 | | |
| 27/12/2015 | 90.7694 | 0.1450 | 2.6381 | 2.7831 | 5.8692 | 221.4703 | 2.9222 | 38.7500 | 49.9515 | 0.0015 | | |
| 28/12/2015 | 90.2795 | 0.1830 | 2.4992 | 2.6823 | 6.2732 | 215.7255 | 0.6938 | 39.0265 | 50.1464 | 0.0064 | | |
| 29/12/2015 | 89.7049 | 0.1584 | 2.5954 | 2.7538 | 6.7626 | 222.2964 | 0.9608 | 39.1389 | 50.1858 | 0.0085 | | |
| 30/12/2015 | 89.1584 | 0.1591 | 2.6690 | 2.8280 | 7.2319 | 221.4120 | 1.0519 | 39.2460 | 50.2151 | 0.0223 | | |
| 31/12/2015 | 89.4165 | 0.1719 | 2.5946 | 2.7665 | 7.1809 | 218.8328 | 3.3978 | 39.1557 | 50.1876 | 0.0250 | | |

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

| | | | | | | | | | | | | |
|------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|---------|--|
| Mínimo | 89.0318 | 0.1117 | 2.3488 | 2.5920 | 5.8692 | 215.7255 | 0.1250 | 38.7500 | 49.9515 | 0.0000 | 10.8000 | |
| Promedio | 89.8850 | 0.1650 | 2.5741 | 2.7391 | 6.5710 | 222.1379 | 1.2668 | 39.1076 | 50.1725 | 0.0880 | 10.8000 | |
| Máximo | 90.7694 | 0.2433 | 2.6858 | 2.8653 | 7.2319 | 229.2620 | 5.9056 | 39.3232 | 50.3144 | 0.2181 | 10.8000 | |
| Desv. Est. | 0.3858 | 0.0317 | 0.0801 | 0.0622 | 0.3166 | 3.1839 | 1.0929 | 0.1299 | 0.0809 | 0.0855 | | |

Observaciones: *N.D.: No Detectado, límite de detección para oxígeno 0.01% mol y para hexanos e hidrocarburos más pesados 0.0001% mol, de acuerdo a la prueba de laboratorio.

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: GASODUCTOS DE CHIHUAHUA S. DE R.L. DE C.V.
PUNTO DE MEDICIÓN: GLORIA A DIOS
ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA: (dd/mm/aa) | Metano (% vol) | Óxido de Carbono (% vol) | Nitrógeno (% vol) | Total inertes (% vol) | Etano (% vol) | Temperatura de Rocio (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Ácido Sulfhídrico (mg/m ³) |
|----------------------|-------------------|-----------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|--|--------------------------------------|---|
| 01/12/2015 | | | | | | 263.8425 | 2.6832 | | 50.3001 | 0.5154 |
| 02/12/2015 | | | | | | 224.5373 | 1.2449 | | 50.2924 | 0.6234 |
| 03/12/2015 | | | | | | 227.4788 | 25.8023 | | 50.3226 | 0.6048 |
| 04/12/2015 | | | | | | 228.3302 | 0.8600 | | 50.3280 | 0.6265 |
| 05/12/2015 | | | | | | 229.8972 | 24.3542 | | 50.2487 | 0.6124 |
| 06/12/2015 | | | | | | 230.0883 | 0.9440 | | 50.1731 | 0.5811 |
| 07/12/2015 | | | | | | 229.4496 | 2.0868 | | 50.2732 | 0.5536 |
| 08/12/2015 | | | | | | 261.9337 | 0.3260 | | 50.1951 | 0.9979 |
| 09/12/2015 | | | | | | 231.2717 | 23.1050 | | 50.1766 | 0.6209 |
| 10/12/2015 | | | | | | 227.9047 | 0.5933 | | 50.2162 | 0.4698 |
| 11/12/2015 | | | | | | 258.4645 | 19.3377 | | 50.2729 | 0.4591 |
| 12/12/2015 | | | | | | 233.3681 | 9.2125 | | 50.3448 | 0.5079 |
| 13/12/2015 | | | | | | 241.0170 | 13.3826 | | 50.3277 | 0.5462 |
| 14/12/2015 | | | | | | 236.3261 | 4.1430 | | 50.3502 | 0.5883 |
| 15/12/2015 | | | | | | 242.5316 | 1.0639 | | 50.3981 | 0.5668 |
| 16/12/2015 | | | | | | 230.4812 | 1.2258 | | 50.3289 | 0.1358 |
| 17/12/2015 | | | | | | 226.8654 | 1.0124 | | 50.2127 | 0.1079 |
| 18/12/2015 | | | | | | 225.6507 | 0.7418 | | 50.1619 | 0.0574 |
| 19/12/2015 | | | | | | 224.0566 | 1.1408 | | 50.1373 | 0.0505 |
| 20/12/2015 | | | | | | 229.6104 | 1.1757 | | 50.1726 | 0.0696 |
| 21/12/2015 | | | | | | 231.1681 | 12.2755 | | 50.2012 | 0.0801 |
| 22/12/2015 | | | | | | 227.8223 | 1.1471 | | 50.2313 | 0.0543 |
| 23/12/2015 | | | | | | 230.2288 | 2.8114 | | 50.2014 | 0.1525 |
| 24/12/2015 | | | | | | 262.3359 | 1.1751 | | 50.1450 | 0.0930 |
| 25/12/2015 | | | | | | 228.3582 | 1.2150 | | 50.1332 | 0.0784 |
| 26/12/2015 | | | | | | 262.1362 | 20.1176 | | 50.1530 | 0.0402 |
| 27/12/2015 | | | | | | 246.7989 | 43.2866 | | 50.1254 | 0.0619 |
| 28/12/2015 | | | | | | 225.2018 | 18.1434 | | 50.2676 | 0.1758 |
| 29/12/2015 | | | | | | 230.4521 | 0.9919 | | 50.3357 | 0.0987 |
| 30/12/2015 | | | | | | 230.6335 | 1.0884 | | 50.3309 | 0.1155 |
| 31/12/2015 | | | | | | 234.2273 | 21.1987 | | 50.3209 | 0.0845 |

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|--------|--|--|--|--|--|----------|---------|--|---------|--------|
| Máximo | | | | | | 263.8425 | 43.2866 | | 50.3981 | 0.9979 |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

PERMISIONARIO: GASODUCTOS DE CHIHUAHUA S. DE R.L. DE C.V.
PUNTO DE MEDICIÓN: GLORIA A DIOS
ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA: (dd/mm/aa) | Metano (% vol) | Dióxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocío (K) | Humedad (mg/m³) | Poder Calorífico (MJ/m³) | Índice Wobbe (MJ/m³) | Acido Sulfhídrico (mg/m³) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|---------------------------------|
| 01/12/2015 | | | | | | 215.5673 | 0.7704 | | 50.1059 | 0.0056 |
| 02/12/2015 | | | | | | 215.1074 | 0.8480 | | 50.0796 | 0.0327 |
| 03/12/2015 | | | | | | 216.4375 | 0.5673 | | 50.1400 | 0.0063 |
| 04/12/2015 | | | | | | 217.4881 | 0.2458 | | 50.1195 | 0.0065 |
| 05/12/2015 | | | | | | 218.5705 | 0.0962 | | 50.1226 | 0.0000 |
| 06/12/2015 | | | | | | 215.9059 | 0.1523 | | 50.0188 | 0.0105 |
| 07/12/2015 | | | | | | 212.7575 | 0.0434 | | 50.1601 | 0.0055 |
| 08/12/2015 | | | | | | 216.9315 | 0.0000 | | 50.0088 | 0.0000 |
| 09/12/2015 | | | | | | 216.7124 | 0.1802 | | 50.0440 | 0.0081 |
| 10/12/2015 | | | | | | 215.4139 | 0.0887 | | 50.0662 | 0.0052 |
| 11/12/2015 | | | | | | 214.0730 | 0.4002 | | 50.1757 | 0.0039 |
| 12/12/2015 | | | | | | 215.4320 | 0.3084 | | 50.2033 | 0.0000 |
| 13/12/2015 | | | | | | 220.3615 | 0.0000 | | 50.1901 | 0.0000 |
| 14/12/2015 | | | | | | 216.5807 | 1.1246 | | 50.2346 | 0.0043 |
| 15/12/2015 | | | | | | 218.6343 | 0.1921 | | 50.2127 | 0.0000 |
| 16/12/2015 | | | | | | 217.0022 | 0.5375 | | 50.1636 | 0.0000 |
| 17/12/2015 | | | | | | 219.1231 | 0.7327 | | 50.0386 | 0.0000 |
| 18/12/2015 | | | | | | 212.2428 | 0.3469 | | 49.9223 | 0.0001 |
| 19/12/2015 | | | | | | 209.3872 | 0.8360 | | 49.9742 | 0.0000 |
| 20/12/2015 | | | | | | 213.0479 | 1.0198 | | 49.9585 | 0.0007 |
| 21/12/2015 | | | | | | 213.9319 | 1.1497 | | 49.9836 | 0.0016 |
| 22/12/2015 | | | | | | 215.0852 | 1.1001 | | 50.0923 | 0.0000 |
| 23/12/2015 | | | | | | 215.7562 | 0.8868 | | 50.1172 | 0.0022 |
| 24/12/2015 | | | | | | 216.4837 | 1.1212 | | 50.0458 | 0.0013 |
| 25/12/2015 | | | | | | 215.7294 | 1.1639 | | 50.0665 | 0.0041 |
| 26/12/2015 | | | | | | 215.7952 | 0.4442 | | 50.0898 | 0.0000 |
| 27/12/2015 | | | | | | 215.2978 | 0.3033 | | 49.7701 | 0.0000 |
| 28/12/2015 | | | | | | 209.6465 | 0.1858 | | 49.9402 | 0.0000 |
| 29/12/2015 | | | | | | 213.0883 | 0.9276 | | 50.0909 | 0.0003 |
| 30/12/2015 | | | | | | 214.4838 | 1.0140 | | 50.0773 | 0.0013 |
| 31/12/2015 | | | | | | 212.8169 | 1.3116 | | 50.0472 | 0.0015 |

| | | | | | | | | | | |
|--------|--|--|--|--|--|----------|--------|--|---------|--------|
| Mínimo | | | | | | 209.3872 | 0.0000 | | 49.7701 | 0.0000 |
|--------|--|--|--|--|--|----------|--------|--|---------|--------|

Observaciones:

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

PERMISIONARIO: GASODUCTOS DE CHIHUAHUA S. DE R.L. DE C.V.
PUNTO DE MEDICIÓN: SAMALAYUCA
ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA: (dd/mm/aa) | Metano (% vol) | Óxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocío (K) | Humedad (mg/m³) | Poder Calorífico (MJ/m³) | Índice Wobbe (MJ/m³) | Acido Sulfhídrico (mg/m³) | Azufre total* (mg/m³) | Oxígeno* (% vol) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|--------------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 01/12/2015 | 89.3952 | 0.1189 | 2.6993 | 2.8182 | 6.9113 | 216.8871 | 1.1624 | 39.2109 | 50.2079 | 0.1480 | 10.8000 | *ND |
| 02/12/2015 | 89.2326 | 0.1352 | 2.7346 | 2.8698 | 7.0778 | 217.3071 | 1.1094 | 39.2092 | 50.1809 | 0.2181 | | |
| 03/12/2015 | 88.9909 | 0.1792 | 2.7049 | 2.8841 | 7.1373 | 218.7361 | 1.8632 | 39.3201 | 50.2282 | 0.1983 | | |
| 04/12/2015 | 89.4884 | 0.2091 | 2.5630 | 2.7721 | 6.7687 | 220.4198 | 0.6600 | 39.2495 | 50.2294 | 0.2004 | | |
| 05/12/2015 | 89.5329 | 0.1587 | 2.6427 | 2.8014 | 6.7470 | 221.0493 | 1.0002 | 39.2046 | 50.2023 | 0.1638 | | |
| 06/12/2015 | 89.7290 | 0.1799 | 2.6667 | 2.8467 | 6.5829 | 220.8053 | 0.6390 | 39.0913 | 50.1126 | 0.1876 | | |
| 07/12/2015 | 89.6202 | 0.1584 | 2.6128 | 2.7712 | 6.7139 | 218.8851 | 0.7982 | 39.1907 | 50.2076 | 0.1793 | | |
| 08/12/2015 | 89.9950 | 0.1612 | 2.6399 | 2.8012 | 6.4026 | 219.7047 | 0.1250 | 39.0355 | 50.1045 | 0.1893 | | |
| 09/12/2015 | 89.6390 | 0.1728 | 2.6951 | 2.8678 | 6.6727 | 220.0863 | 0.5310 | 39.0929 | 50.1059 | 0.2053 | | |
| 10/12/2015 | 89.5376 | 0.1679 | 2.6585 | 2.8264 | 6.8445 | 217.5954 | 0.3872 | 39.1366 | 50.1506 | 0.1600 | | |
| 11/12/2015 | 89.6001 | 0.1885 | 2.5599 | 2.7484 | 6.7415 | 216.2350 | 1.1401 | 39.2171 | 50.2260 | 0.1509 | | |
| 12/12/2015 | 89.9051 | 0.2526 | 2.3851 | 2.6377 | 6.4888 | 221.9662 | 0.8560 | 39.2354 | 50.2696 | 0.1463 | | |
| 13/12/2015 | 89.7389 | 0.1810 | 2.5062 | 2.6871 | 6.6690 | 225.4358 | 0.6562 | 39.2208 | 50.2564 | 0.1553 | | |
| 14/12/2015 | 89.6321 | 0.2066 | 2.4625 | 2.6692 | 6.7108 | 221.9909 | 1.9144 | 39.2939 | 50.3002 | 0.1966 | | |
| 15/12/2015 | 89.4686 | 0.1729 | 2.5223 | 2.6952 | 6.8477 | 224.1978 | 0.5291 | 39.3186 | 50.3108 | 0.0514 | | |
| 16/12/2015 | 89.7499 | 0.1185 | 2.5932 | 2.7117 | 6.6321 | 219.6440 | 0.9553 | 39.1944 | 50.2448 | 0.0000 | | |
| 17/12/2015 | 89.9118 | 0.1138 | 2.6824 | 2.7963 | 6.4766 | 217.1241 | 0.8853 | 39.0634 | 50.1335 | 0.0019 | | |
| 18/12/2015 | 90.4909 | 0.1080 | 2.6644 | 2.7724 | 6.1210 | 215.5937 | 0.5254 | 38.8485 | 50.0218 | 0.0031 | | |
| 19/12/2015 | 90.4713 | 0.1895 | 2.5593 | 2.7489 | 6.0679 | 212.1003 | 1.0617 | 38.9043 | 50.0453 | 0.0046 | | |
| 20/12/2015 | 90.1476 | 0.2070 | 2.6078 | 2.8148 | 6.2516 | 213.8188 | 1.1359 | 38.9829 | 50.0576 | 0.0088 | | |
| 21/12/2015 | 89.9646 | 0.1770 | 2.5945 | 2.7715 | 6.4826 | 215.6908 | 1.4992 | 39.0552 | 50.1255 | 0.0115 | | |
| 22/12/2015 | 89.9509 | 0.1932 | 2.5493 | 2.7424 | 6.4706 | 215.3901 | 1.1238 | 39.1023 | 50.1613 | 0.0125 | | |
| 23/12/2015 | 89.7488 | 0.1600 | 2.6356 | 2.7956 | 6.6345 | 216.4279 | 1.4446 | 39.1191 | 50.1554 | 0.0175 | | |
| 24/12/2015 | 89.8096 | 0.1496 | 2.7002 | 2.8497 | 6.5363 | 216.8646 | 1.1482 | 39.0568 | 50.0983 | 0.0229 | | |
| 25/12/2015 | 89.9474 | 0.1480 | 2.6786 | 2.8267 | 6.4208 | 216.2545 | 1.1891 | 39.0354 | 50.0962 | 0.0255 | | |
| 26/12/2015 | 90.0764 | 0.1150 | 2.6640 | 2.7790 | 6.3476 | 215.9753 | 5.9056 | 39.0252 | 50.1190 | 0.0048 | | |
| 27/12/2015 | 90.6301 | 0.1440 | 2.6647 | 2.8087 | 5.9638 | 215.7346 | 2.9222 | 38.7780 | 49.9567 | 0.0015 | | |
| 28/12/2015 | 90.2248 | 0.1765 | 2.5695 | 2.7460 | 6.2805 | 211.9518 | 0.6938 | 38.9936 | 50.1010 | 0.0064 | | |
| 29/12/2015 | 89.5581 | 0.1663 | 2.6202 | 2.7865 | 6.8201 | 214.9691 | 0.9608 | 39.1794 | 50.1928 | 0.0085 | | |
| 30/12/2015 | 89.0890 | 0.1575 | 2.7181 | 2.8755 | 7.2404 | 216.7614 | 1.0519 | 39.2398 | 50.1912 | 0.0223 | | |
| 31/12/2015 | 89.1185 | 0.1704 | 2.6554 | 2.8258 | 7.3712 | 216.9193 | 3.3978 | 39.2168 | 50.1972 | 0.0250 | | |

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

| | | | | | | | | | | | | |
|------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|---------|--|
| Mínimo | 88.9909 | 0.1080 | 2.3851 | 2.6377 | 5.9638 | 211.9518 | 0.1250 | 38.7780 | 49.9567 | 0.0000 | 10.8000 | |
| Promedio | 89.7547 | 0.1657 | 2.6197 | 2.7854 | 6.6269 | 217.8233 | 1.2668 | 39.1233 | 50.1610 | 0.0880 | 10.8000 | |
| Máximo | 90.6301 | 0.2526 | 2.7346 | 2.8841 | 7.3712 | 225.4358 | 5.9056 | 39.3201 | 50.3108 | 0.2181 | 10.8000 | |
| Desv. Est. | 0.3967 | 0.0321 | 0.0795 | 0.0615 | 0.3272 | 3.1581 | 1.0929 | 0.1328 | 0.0821 | 0.0855 | | |

Observaciones: *N.D.: No Detectado, límite de detección para oxígeno 0.01% mol y para hexanos e hidrocarburos más pesados 0.0001% mol, de acuerdo a la prueba de laboratorio.

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: GASODUCTOS DE CHIHUAHUA S. DE R.L. DE C.V.
 PUNTO DE MEDICIÓN: SAMALAYUCA
 ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA: (dd/mm/aa) | Metano (% vol) | Óxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocío (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/12/2015 | | | | | | 219.2942 | 2.6832 | | 50.3045 | 0.5154 |
| 02/12/2015 | | | | | | 219.6322 | 1.2449 | | 50.3093 | 0.6234 |
| 03/12/2015 | | | | | | 223.3629 | 25.8023 | | 50.3328 | 0.6048 |
| 04/12/2015 | | | | | | 224.5795 | 0.8600 | | 50.3362 | 0.6265 |
| 05/12/2015 | | | | | | 224.5279 | 24.3542 | | 50.2763 | 0.6124 |
| 06/12/2015 | | | | | | 223.8956 | 0.9440 | | 50.2195 | 0.5811 |
| 07/12/2015 | | | | | | 224.4720 | 2.0868 | | 50.2830 | 0.5536 |
| 08/12/2015 | | | | | | 224.4758 | 0.3260 | | 50.1811 | 0.9979 |
| 09/12/2015 | | | | | | 224.1889 | 23.1050 | | 50.1863 | 0.6209 |
| 10/12/2015 | | | | | | 222.9450 | 0.5933 | | 50.2410 | 0.4698 |
| 11/12/2015 | | | | | | 221.4907 | 19.3377 | | 50.2789 | 0.4591 |
| 12/12/2015 | | | | | | 227.4219 | 9.2125 | | 50.3508 | 0.5079 |
| 13/12/2015 | | | | | | 230.4813 | 13.3826 | | 50.3326 | 0.5462 |
| 14/12/2015 | | | | | | 228.4103 | 4.1430 | | 50.3866 | 0.5883 |
| 15/12/2015 | | | | | | 230.3300 | 1.0639 | | 50.3981 | 0.5668 |
| 16/12/2015 | | | | | | 225.4007 | 1.2258 | | 50.3475 | 0.1358 |
| 17/12/2015 | | | | | | 219.5657 | 1.0124 | | 50.2284 | 0.1079 |
| 18/12/2015 | | | | | | 217.8948 | 0.7418 | | 50.1392 | 0.0574 |
| 19/12/2015 | | | | | | 217.0076 | 1.1408 | | 50.1915 | 0.0505 |
| 20/12/2015 | | | | | | 216.3311 | 1.1757 | | 50.1662 | 0.0696 |
| 21/12/2015 | | | | | | 217.9924 | 12.2755 | | 50.2372 | 0.0801 |
| 22/12/2015 | | | | | | 216.9558 | 1.1471 | | 50.2473 | 0.0543 |
| 23/12/2015 | | | | | | 219.4975 | 2.8114 | | 50.2050 | 0.1525 |
| 24/12/2015 | | | | | | 218.9259 | 1.1751 | | 50.1681 | 0.0930 |
| 25/12/2015 | | | | | | 217.7438 | 1.2150 | | 50.1498 | 0.0784 |
| 26/12/2015 | | | | | | 217.2293 | 20.1176 | | 50.1697 | 0.0402 |
| 27/12/2015 | | | | | | 217.2643 | 43.2866 | | 50.1289 | 0.0619 |
| 28/12/2015 | | | | | | 215.2178 | 18.1434 | | 50.3092 | 0.1758 |
| 29/12/2015 | | | | | | 218.2832 | 0.9919 | | 50.3437 | 0.0987 |
| 30/12/2015 | | | | | | 221.2405 | 1.0884 | | 50.3712 | 0.1155 |
| 31/12/2015 | | | | | | 225.0514 | 21.1987 | | 50.3089 | 0.0845 |

| | | | | | | | | | | |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|
| Máximo | | | | | | 230.4813 | 43.2866 | | 50.3981 | 0.9979 |
|--------|--|--|--|--|--|----------|---------|--|---------|--------|

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

PERMISIONARIO: GASODUCTOS DE CHIHUAHUA S. DE R.L. DE C.V.
PUNTO DE MEDICIÓN: SAMALAYUCA
ZONA DE MEDICIÓN: RESTO DEL PAÍS



| FECHA: (dd/mm/aa) | Metano (% vol) | Óxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocío (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) |
|----------------------|-------------------|--------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/12/2015 | | | | | | 215.6588 | 0.7704 | | 50.1252 | 0.0056 |
| 02/12/2015 | | | | | | 215.2446 | 0.8480 | | 50.0238 | 0.0327 |
| 03/12/2015 | | | | | | 215.6842 | 0.5673 | | 50.1502 | 0.0063 |
| 04/12/2015 | | | | | | 217.9589 | 0.2458 | | 50.1283 | 0.0065 |
| 05/12/2015 | | | | | | 217.5693 | 0.0962 | | 50.1092 | 0.0000 |
| 06/12/2015 | | | | | | 216.1663 | 0.1523 | | 50.0277 | 0.0105 |
| 07/12/2015 | | | | | | 213.2475 | 0.0434 | | 50.1739 | 0.0055 |
| 08/12/2015 | | | | | | 215.4682 | 0.0000 | | 50.0455 | 0.0000 |
| 09/12/2015 | | | | | | 216.1986 | 0.1802 | | 50.0675 | 0.0081 |
| 10/12/2015 | | | | | | 215.1988 | 0.0887 | | 50.0973 | 0.0052 |
| 11/12/2015 | | | | | | 214.2688 | 0.4002 | | 50.1786 | 0.0039 |
| 12/12/2015 | | | | | | 214.6326 | 0.3084 | | 50.1911 | 0.0000 |
| 13/12/2015 | | | | | | 221.6302 | 0.0000 | | 50.1867 | 0.0000 |
| 14/12/2015 | | | | | | 216.3042 | 1.1246 | | 50.2435 | 0.0043 |
| 15/12/2015 | | | | | | 219.2348 | 0.1921 | | 50.2223 | 0.0000 |
| 16/12/2015 | | | | | | 216.6061 | 0.5375 | | 50.1636 | 0.0000 |
| 17/12/2015 | | | | | | 214.6789 | 0.7327 | | 50.0386 | 0.0000 |
| 18/12/2015 | | | | | | 213.7990 | 0.3469 | | 49.9421 | 0.0001 |
| 19/12/2015 | | | | | | 209.3316 | 0.8360 | | 49.9775 | 0.0000 |
| 20/12/2015 | | | | | | 212.1106 | 1.0198 | | 49.9651 | 0.0007 |
| 21/12/2015 | | | | | | 212.5992 | 1.1497 | | 50.1066 | 0.0016 |
| 22/12/2015 | | | | | | 214.1155 | 1.1001 | | 50.0966 | 0.0000 |
| 23/12/2015 | | | | | | 214.3013 | 0.8868 | | 50.0773 | 0.0022 |
| 24/12/2015 | | | | | | 215.2915 | 1.1212 | | 50.0606 | 0.0013 |
| 25/12/2015 | | | | | | 214.8709 | 1.1639 | | 50.0743 | 0.0041 |
| 26/12/2015 | | | | | | 214.4783 | 0.4442 | | 50.0952 | 0.0000 |
| 27/12/2015 | | | | | | 214.5528 | 0.3033 | | 49.7701 | 0.0000 |
| 28/12/2015 | | | | | | 209.3051 | 0.1858 | | 49.9877 | 0.0000 |
| 29/12/2015 | | | | | | 211.3887 | 0.9276 | | 50.0999 | 0.0003 |
| 30/12/2015 | | | | | | 213.2422 | 1.0140 | | 50.0826 | 0.0013 |
| 31/12/2015 | | | | | | 213.2810 | 1.3116 | | 50.0598 | 0.0015 |

| | | | | | | | | | | |
|--------|--|--|--|--|--|----------|--------|--|---------|--------|
| Minimo | | | | | | 209.3051 | 0.0000 | | 49.7701 | 0.0000 |
|--------|--|--|--|--|--|----------|--------|--|---------|--------|

Observaciones: