

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

| | |
|---------------------------|--|
| PERMISIONARIO: | GASODUCTO DE AGUAPRIETA S. DE R.L. DE C.V. (SONORA) |
| PUNTO DE MEDICIÓN: | EM CC NACO NOGALES |
| 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 Rocio (K) | Humedad (mg/m3) | Poder Calorífico (MJ/m3) | Índice Wobbe (MJ/m3) | Acido Sulhídrico (mg/m3) | Azufre total* (mg/m3) | Oxígeno* (% vol) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|--------------------------|---------------------|
| 01/05/15 | 90.3941 | 0.1338 | 1.6541 | 1.7879 | 6.2857 | 215.2481 | 4.7936 | 39.1807 | 50.4047 | 0.2360 | Menor a 10.8 | N.D. |
| 02/05/15 | 90.5577 | 0.1086 | 1.7523 | 1.8609 | 6.0749 | 212.0550 | 4.8703 | 39.0764 | 50.4197 | 0.1631 | | |
| 03/05/15 | 90.2976 | 0.1139 | 1.6602 | 1.7741 | 6.0765 | 210.8812 | 4.9695 | 38.9792 | 50.2546 | 0.1778 | | |
| 04/05/15 | 90.3022 | 0.1059 | 1.6541 | 1.7600 | 6.0304 | 221.1789 | 5.3180 | 39.0086 | 50.2546 | 0.1492 | | |
| 05/05/15 | 90.1102 | 0.1046 | 1.6596 | 1.7642 | 6.2402 | 220.6532 | 5.4580 | 39.0552 | 50.2900 | 0.1375 | | |
| 06/05/15 | 90.0892 | 0.1045 | 1.6162 | 1.7207 | 6.5428 | 220.0750 | 5.5396 | 39.3615 | 50.5565 | 0.1550 | | |
| 07/05/15 | 89.6475 | 0.1197 | 1.7338 | 1.8535 | 6.5364 | 212.5262 | 6.3859 | 39.1506 | 50.3277 | 0.1672 | | |
| 08/05/15 | 89.9229 | 0.1033 | 1.6790 | 1.7823 | 6.3455 | 217.5856 | 6.1313 | 39.1205 | 50.3242 | 0.2038 | | |
| 09/05/15 | 89.5461 | 0.1060 | 1.7769 | 1.8830 | 6.5876 | 208.7666 | 6.1832 | 39.1688 | 50.3084 | 0.1770 | | |
| 10/05/15 | 89.6576 | 0.1130 | 1.7159 | 1.8290 | 6.5692 | 209.4716 | 6.6620 | 39.1615 | 50.3407 | 0.2194 | | |
| 11/05/15 | 90.2606 | 0.0707 | 1.4794 | 1.5501 | 6.1948 | 215.1024 | 6.4762 | 39.1940 | 50.5036 | 0.1721 | | |
| 12/05/15 | 90.2106 | 0.0587 | 1.4124 | 1.4711 | 6.3615 | 221.9273 | 6.7022 | 39.2477 | 50.5422 | 0.1458 | | |
| 13/05/15 | 89.7893 | 0.0690 | 1.4983 | 1.5673 | 6.5896 | 220.4432 | 6.7821 | 39.3330 | 50.4668 | 0.1578 | | |
| 14/05/15 | 89.2259 | 0.0823 | 1.5598 | 1.6421 | 6.8988 | 207.0047 | 7.6329 | 39.4989 | 50.6569 | 0.1770 | | |
| 15/05/15 | 89.5579 | 0.1009 | 1.5920 | 1.6929 | 6.8341 | 213.2194 | 6.8929 | 39.2672 | 50.4856 | 0.1821 | | |
| 16/05/15 | 89.7813 | 0.0907 | 1.6226 | 1.7133 | 6.5959 | 222.6816 | 6.0891 | 39.1880 | 50.3595 | 0.1380 | | |
| 17/05/15 | 89.4150 | 0.1205 | 1.7614 | 1.8819 | 6.7571 | 215.9376 | 6.1105 | 39.1891 | 50.3830 | 0.1697 | | |
| 18/05/15 | 89.9885 | 0.1039 | 1.6592 | 1.7631 | 6.3641 | 208.0184 | 5.8406 | 39.0886 | 50.2974 | 0.1630 | | |
| 19/05/15 | 89.9327 | 0.0944 | 1.6448 | 1.7392 | 6.4071 | 221.7814 | 5.5288 | 39.1336 | 50.3466 | 0.1678 | | |
| 20/05/15 | 89.9214 | 0.0835 | 1.5636 | 1.6471 | 6.4766 | 214.1852 | 5.4463 | 39.2149 | 50.4621 | 0.1728 | | |
| 21/05/15 | 89.9247 | 0.1030 | 1.5011 | 1.6042 | 6.4675 | 210.2079 | 6.0613 | 39.2577 | 50.4828 | 0.1913 | | |
| 22/05/15 | 89.9619 | 0.0940 | 1.5053 | 1.5992 | 6.5048 | 215.3666 | 5.2373 | 39.2261 | 50.4399 | 0.2122 | | |
| 23/05/15 | 89.7281 | 0.0957 | 1.4668 | 1.5626 | 6.7352 | 208.7600 | 5.2308 | 39.4613 | 50.7558 | 0.2024 | | |
| 24/05/15 | 90.1984 | 0.1047 | 1.4700 | 1.5747 | 6.6340 | 215.8300 | 5.0468 | 39.4038 | 50.6943 | 0.1960 | | |
| 25/05/15 | 89.8445 | 0.0955 | 1.5143 | 1.6098 | 6.6047 | 213.3523 | 5.1755 | 39.2506 | 50.4770 | 0.1553 | | |
| 26/05/15 | 89.8390 | 0.1068 | 1.6360 | 1.7428 | 6.4948 | 207.6142 | 5.6264 | 39.1574 | 50.3296 | 0.1789 | | |
| 27/05/15 | 89.7202 | 0.1136 | 1.6409 | 1.7545 | 6.8463 | 213.2057 | 5.8987 | 39.4437 | 50.6478 | 0.1749 | | |
| 28/05/15 | 89.6406 | 0.1222 | 1.6279 | 1.7501 | 6.9223 | 209.7949 | 5.7458 | 39.4716 | 50.6379 | 0.1691 | | |
| 29/05/15 | 89.8269 | 0.1102 | 1.6617 | 1.7719 | 6.8329 | 217.0458 | 5.5667 | 39.3666 | 50.5270 | 0.1646 | | |
| 30/05/15 | 88.9506 | 0.0926 | 1.6191 | 1.7117 | 7.2111 | 207.8430 | 5.6246 | 39.4956 | 50.5657 | 0.1796 | | |
| 31/05/15 | 89.7325 | 0.0927 | 1.7054 | 1.7981 | 6.8301 | 214.8862 | 5.7734 | 39.3997 | 50.6556 | 0.1756 | | |

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

** N.D.: No detectado

| | | | | | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|
| Mínimo | 88.9506 | 0.0587 | 1.4124 | 1.4711 | 6.0304 | 207.0047 | 4.7936 | 38.9792 | 50.2546 | 0.1375 |
| Promedio | 89.8702 | 0.1006 | 1.6143 | 1.7149 | 6.5436 | 214.2790 | 5.8323 | 39.2436 | 50.4580 | 0.1752 |
| Máximo | 90.5577 | 0.1338 | 1.7769 | 1.8830 | 7.2111 | 222.6816 | 7.6329 | 39.4989 | 50.7558 | 0.2360 |
| Desv. Est. | 0.343037148 | 0.016113154 | 0.095553146 | 0.106850576 | 0.275520703 | 4.80772853 | 0.664821123 | 0.145807898 | 0.139660456 | 0.022671865 |

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

| | |
|---------------------------|--|
| PERMISIONARIO: | GASODUCTO DE AGUAPRIETA S. DE R.L. DE C.V. (SONORA) |
| PUNTO DE MEDICIÓN: | EM CC NACO NOGALES |
| 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 Rocio (K) | Humedad (mg/m3) | Poder Calorífico (MJ/m3) | Índice Wobbe (MJ/m3) | Acido Sulhídrico (mg/m3) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/05/15 | 90.5540 | 0.1339 | 1.7106 | 1.8815 | 6.7016 | 221.1241 | 6.6488 | 39.2193 | 50.6613 | 0.2360 |
| 02/05/15 | 90.5578 | 0.1331 | 1.7705 | 1.8689 | 7.1936 | 221.7165 | 5.7109 | 39.2783 | 50.6259 | 0.1650 |
| 03/05/15 | 90.3251 | 0.1157 | 1.7330 | 1.8761 | 6.1100 | 211.8183 | 6.4519 | 39.0891 | 50.3023 | 0.2141 |
| 04/05/15 | 90.5122 | 0.1236 | 1.7586 | 1.7793 | 6.4243 | 221.4793 | 7.1386 | 39.0711 | 50.3219 | 0.1685 |
| 05/05/15 | 90.2978 | 0.1310 | 1.7686 | 1.8713 | 6.3364 | 221.9764 | 6.0754 | 39.2066 | 50.4762 | 0.1703 |
| 06/05/15 | 90.4280 | 0.1312 | 1.7332 | 1.8553 | 7.2093 | 220.5153 | 5.6061 | 39.4840 | 50.6647 | 0.1931 |
| 07/05/15 | 90.1521 | 0.1324 | 1.7701 | 1.8650 | 7.0292 | 214.0960 | 6.5616 | 39.1507 | 50.4141 | 0.2346 |
| 08/05/15 | 90.4320 | 0.1213 | 1.7059 | 1.8741 | 6.7677 | 221.1709 | 6.4609 | 39.4892 | 50.5221 | 0.2215 |
| 09/05/15 | 89.7981 | 0.1257 | 1.7770 | 1.8830 | 6.6082 | 212.1204 | 6.3395 | 39.3950 | 50.3956 | 0.2307 |
| 10/05/15 | 90.1798 | 0.1244 | 1.7160 | 1.8477 | 6.6256 | 212.2264 | 7.3692 | 39.4752 | 50.4857 | 0.2227 |
| 11/05/15 | 90.4641 | 0.1321 | 1.6767 | 1.6494 | 7.0826 | 216.2066 | 7.3253 | 39.1959 | 50.7125 | 0.2335 |
| 12/05/15 | 90.2341 | 0.1293 | 1.5760 | 1.7595 | 6.4739 | 222.5375 | 7.2605 | 39.3393 | 50.6378 | 0.1556 |
| 13/05/15 | 89.8968 | 0.1171 | 1.5787 | 1.7654 | 6.6679 | 221.7031 | 7.3017 | 39.4190 | 50.5320 | 0.2163 |
| 14/05/15 | 89.3995 | 0.1047 | 1.6370 | 1.6529 | 7.1510 | 218.5425 | 7.6330 | 39.4990 | 50.7174 | 0.2009 |
| 15/05/15 | 89.6335 | 0.1183 | 1.7513 | 1.7744 | 7.1536 | 219.3020 | 7.5639 | 39.4583 | 50.5949 | 0.1926 |
| 16/05/15 | 89.8625 | 0.0907 | 1.6702 | 1.8041 | 6.6192 | 222.6817 | 6.2336 | 39.2420 | 50.7035 | 0.1507 |
| 17/05/15 | 90.3674 | 0.1224 | 1.7766 | 1.8821 | 7.0574 | 220.9733 | 7.5159 | 39.4890 | 50.6626 | 0.2171 |
| 18/05/15 | 90.2451 | 0.1113 | 1.6935 | 1.7684 | 6.7542 | 209.5187 | 6.7341 | 39.2749 | 50.7311 | 0.2225 |
| 19/05/15 | 90.3873 | 0.1266 | 1.7630 | 1.7838 | 6.5770 | 222.3395 | 6.2911 | 39.2757 | 50.5173 | 0.1988 |
| 20/05/15 | 90.2815 | 0.1017 | 1.7027 | 1.8461 | 6.9005 | 221.2539 | 6.5208 | 39.2379 | 50.5817 | 0.2129 |
| 21/05/15 | 90.2301 | 0.1148 | 1.6594 | 1.6306 | 6.9864 | 218.7304 | 7.0507 | 39.4865 | 50.4849 | 0.1944 |
| 22/05/15 | 90.3283 | 0.1314 | 1.5253 | 1.6417 | 6.5633 | 218.0105 | 6.9171 | 39.4485 | 50.6182 | 0.2253 |
| 23/05/15 | 89.9643 | 0.1067 | 1.6801 | 1.6343 | 6.8604 | 208.8649 | 5.9299 | 39.4905 | 50.7558 | 0.2343 |
| 24/05/15 | 90.3209 | 0.1244 | 1.4728 | 1.7474 | 6.9918 | 219.0432 | 7.0503 | 39.4795 | 50.7266 | 0.2043 |
| 25/05/15 | 90.4037 | 0.1065 | 1.6045 | 1.7742 | 6.8750 | 218.8120 | 6.0346 | 39.4659 | 50.6270 | 0.2353 |
| 26/05/15 | 90.0607 | 0.1095 | 1.7261 | 1.8062 | 7.0382 | 215.4550 | 7.4901 | 39.3325 | 50.4484 | 0.1964 |
| 27/05/15 | 90.4677 | 0.1286 | 1.7156 | 1.7723 | 6.9613 | 219.6386 | 6.9382 | 39.4624 | 50.7325 | 0.2033 |
| 28/05/15 | 90.0765 | 0.1297 | 1.7066 | 1.7574 | 7.1200 | 210.8422 | 6.8760 | 39.4723 | 50.7069 | 0.2267 |
| 29/05/15 | 89.9776 | 0.1237 | 1.7301 | 1.8131 | 6.9387 | 222.5963 | 6.8313 | 39.4374 | 50.5447 | 0.2038 |
| 30/05/15 | 90.0979 | 0.1181 | 1.6675 | 1.8649 | 7.2111 | 214.8710 | 6.3982 | 39.4965 | 50.7445 | 0.2300 |
| 31/05/15 | 90.4423 | 0.0932 | 1.7636 | 1.8482 | 6.8605 | 219.5834 | 5.9815 | 39.4446 | 50.7253 | 0.2317 |

| | | | | | | | | | | |
|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|
| Máximo | 90.5578 | 0.1339 | 1.7770 | 1.8830 | 7.2111 | 222.6817 | 7.6330 | 39.4990 | 50.7558 | 0.2360 |
|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

PERMISIONARIO: GASODUCTO DE AGUAPRIETA S. DE R.L. DE C.V. (SONORA)
PUNTO DE MEDICIÓN: EM CC NACO NOGALES
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 Rocio (K) | Humedad (mg/m3) | Poder Calorífico (MJ/m3) | Índice Wobbe (MJ/m3) | Acido Sulhídrico (mg/m3) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/05/15 | 90.0199 | 0.0782 | 1.4587 | 1.5369 | 6.0818 | 212.5575 | 4.7937 | 39.0835 | 50.3870 | 0.1622 |
| 02/05/15 | 90.1683 | 0.0643 | 1.6899 | 1.7542 | 6.0381 | 210.6921 | 4.8040 | 39.0158 | 50.3598 | 0.1456 |
| 03/05/15 | 89.6947 | 0.1086 | 1.4709 | 1.5795 | 6.0454 | 209.3526 | 4.7941 | 38.9792 | 50.2546 | 0.1537 |
| 04/05/15 | 89.1454 | 0.0615 | 1.5802 | 1.6417 | 6.0305 | 211.5143 | 4.8626 | 38.9796 | 50.2546 | 0.1454 |
| 05/05/15 | 90.0678 | 0.0846 | 1.4246 | 1.5092 | 6.0399 | 218.3491 | 5.2094 | 39.0226 | 50.2822 | 0.1375 |
| 06/05/15 | 89.8655 | 0.0960 | 1.4707 | 1.5667 | 6.4502 | 218.7605 | 5.4303 | 39.1994 | 50.3526 | 0.1450 |
| 07/05/15 | 89.5468 | 0.0651 | 1.4170 | 1.4821 | 6.4403 | 211.9260 | 5.0363 | 39.1438 | 50.2873 | 0.1556 |
| 08/05/15 | 89.2075 | 0.0930 | 1.4777 | 1.5707 | 6.0707 | 209.7566 | 5.5831 | 39.0647 | 50.2736 | 0.1651 |
| 09/05/15 | 89.4591 | 0.1046 | 1.5751 | 1.6797 | 6.2869 | 207.5537 | 6.1414 | 38.9899 | 50.3000 | 0.1545 |
| 10/05/15 | 89.0693 | 0.0779 | 1.5450 | 1.6229 | 6.0843 | 208.9264 | 5.8214 | 39.1409 | 50.3076 | 0.1871 |
| 11/05/15 | 89.2363 | 0.0706 | 1.4345 | 1.5051 | 6.1152 | 209.0606 | 5.5087 | 39.0677 | 50.4101 | 0.1503 |
| 12/05/15 | 90.0816 | 0.0587 | 1.4125 | 1.4712 | 6.0808 | 214.0889 | 5.8813 | 39.2463 | 50.4112 | 0.1416 |
| 13/05/15 | 89.1275 | 0.0628 | 1.4633 | 1.5261 | 6.4923 | 211.5179 | 4.8909 | 39.1712 | 50.4650 | 0.1396 |
| 14/05/15 | 89.0763 | 0.0673 | 1.4859 | 1.5532 | 6.6340 | 207.0047 | 5.9248 | 39.3376 | 50.3382 | 0.1697 |
| 15/05/15 | 89.4088 | 0.0649 | 1.4725 | 1.5374 | 6.2547 | 208.9088 | 5.6430 | 39.2480 | 50.4062 | 0.1642 |
| 16/05/15 | 89.4477 | 0.0855 | 1.6114 | 1.6969 | 6.0584 | 222.4183 | 5.2872 | 39.0302 | 50.3468 | 0.1378 |
| 17/05/15 | 89.3842 | 0.0988 | 1.4153 | 1.5141 | 6.6011 | 213.0523 | 4.9846 | 39.0334 | 50.3724 | 0.1633 |
| 18/05/15 | 89.7446 | 0.0679 | 1.4226 | 1.4905 | 6.2818 | 207.0458 | 5.7427 | 39.0059 | 50.2552 | 0.1399 |
| 19/05/15 | 89.8253 | 0.0868 | 1.6159 | 1.7027 | 6.3537 | 214.9764 | 5.3468 | 39.0477 | 50.2642 | 0.1577 |
| 20/05/15 | 88.9685 | 0.0718 | 1.4690 | 1.5408 | 6.1371 | 211.5121 | 5.0655 | 39.0000 | 50.2686 | 0.1712 |
| 21/05/15 | 89.0986 | 0.0936 | 1.4206 | 1.5142 | 6.3775 | 208.1158 | 5.9053 | 39.0749 | 50.4216 | 0.1390 |
| 22/05/15 | 89.4550 | 0.0724 | 1.4876 | 1.5600 | 6.0836 | 214.7409 | 5.1481 | 39.1206 | 50.2965 | 0.1827 |
| 23/05/15 | 89.3930 | 0.0616 | 1.4331 | 1.4947 | 6.3110 | 207.8276 | 5.0511 | 39.2273 | 50.4121 | 0.1746 |
| 24/05/15 | 89.0473 | 0.0946 | 1.4393 | 1.5339 | 6.4619 | 214.4963 | 4.9545 | 39.2403 | 50.5616 | 0.1541 |
| 25/05/15 | 89.8335 | 0.0618 | 1.5068 | 1.5686 | 6.3811 | 210.9427 | 4.8390 | 39.1337 | 50.3432 | 0.1466 |
| 26/05/15 | 89.6833 | 0.0640 | 1.6008 | 1.6648 | 6.2525 | 207.2465 | 4.9821 | 38.9813 | 50.2812 | 0.1646 |
| 27/05/15 | 89.1740 | 0.0869 | 1.4796 | 1.5665 | 6.7334 | 208.9606 | 5.4255 | 39.3545 | 50.2798 | 0.1671 |
| 28/05/15 | 89.4768 | 0.0998 | 1.4353 | 1.5351 | 6.3992 | 209.2255 | 5.4532 | 39.1683 | 50.5305 | 0.1606 |
| 29/05/15 | 89.0161 | 0.0993 | 1.5092 | 1.6085 | 6.6181 | 211.9915 | 5.2857 | 39.2079 | 50.5196 | 0.1387 |
| 30/05/15 | 88.9507 | 0.0836 | 1.5463 | 1.6299 | 6.6488 | 207.0416 | 5.3568 | 39.2903 | 50.3920 | 0.1424 |
| 31/05/15 | 89.5263 | 0.0737 | 1.5071 | 1.7583 | 6.3477 | 209.3532 | 5.2877 | 39.0728 | 50.5928 | 0.1432 |

| | | | | | | | | | | |
|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|
| Mínimo | 88.9507 | 0.0587 | 1.4125 | 1.4712 | 6.0305 | 207.0047 | 4.7937 | 38.9792 | 50.2546 | 0.1375 |
|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|

Observaciones: