

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

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|---------------------------|--|
| 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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|--------------------------|---------------------|
| 01/10/15 | 88.7817 | 0.2014 | 2.4456 | 2.6471 | 6.6388 | 223.5682 | 10.6710 | 38.8516 | 50.3087 | 0.1544 | Menor a 10.8 | N.D. |
| 02/10/15 | 88.9418 | 0.2045 | 2.4268 | 2.6313 | 6.5192 | 225.9919 | 11.0879 | 38.8110 | 50.2968 | 0.1439 | | |
| 03/10/15 | 88.8542 | 0.1785 | 2.4131 | 2.5915 | 6.6889 | 223.6397 | 11.0252 | 38.9795 | 50.3194 | 0.1268 | | |
| 04/10/15 | 88.5389 | 0.2212 | 2.2897 | 2.5108 | 6.9401 | 225.4470 | 10.8603 | 39.0349 | 50.4454 | 0.1431 | | |
| 05/10/15 | 88.2188 | 0.2540 | 2.3964 | 2.6504 | 7.0927 | 224.4243 | 10.3908 | 39.0404 | 50.3964 | 0.1217 | | |
| 06/10/15 | 88.3510 | 0.2030 | 2.3606 | 2.5636 | 6.7677 | 222.7007 | 10.4829 | 39.4103 | 50.3108 | 0.1578 | | |
| 07/10/15 | 87.7468 | 0.1855 | 2.3898 | 2.5753 | 5.7750 | 223.0067 | 9.7278 | 38.6953 | 50.3327 | 0.1449 | | |
| 08/10/15 | 89.2311 | 0.2075 | 2.4290 | 2.6365 | 6.5579 | 223.2173 | 9.3375 | 38.9496 | 50.2877 | 0.1373 | | |
| 09/10/15 | 88.7998 | 0.2186 | 2.5035 | 2.7221 | 6.6285 | 223.6726 | 8.2710 | 38.7551 | 50.2001 | 0.1214 | | |
| 10/10/15 | 88.5339 | 0.2318 | 2.4901 | 2.7219 | 6.8377 | 224.9491 | 7.5645 | 38.8513 | 50.2577 | 0.1121 | | |
| 11/10/15 | 88.6606 | 0.2213 | 2.4837 | 2.7050 | 6.9591 | 224.2145 | 7.4117 | 39.0993 | 50.3856 | 0.1146 | | |
| 12/10/15 | 88.4058 | 0.1837 | 2.5520 | 2.7357 | 7.1400 | 224.9557 | 7.9612 | 39.1595 | 50.3801 | 0.1181 | | |
| 13/10/15 | 88.6611 | 0.1948 | 2.5641 | 2.7589 | 6.9260 | 222.1801 | 8.6291 | 39.0521 | 50.2914 | 0.1393 | | |
| 14/10/15 | 88.5313 | 0.2156 | 2.5209 | 2.7365 | 6.9908 | 225.3606 | 9.2499 | 39.1376 | 50.3416 | 0.1664 | | |
| 15/10/15 | 88.5915 | 0.2089 | 2.4993 | 2.7082 | 6.6581 | 223.8350 | 9.1656 | 38.8969 | 50.2982 | 0.1652 | | |
| 16/10/15 | 88.7835 | 0.1962 | 2.4794 | 2.6755 | 6.5292 | 225.8218 | 9.3710 | 38.8574 | 50.3086 | 0.1439 | | |
| 17/10/15 | 89.0805 | 0.2444 | 2.4178 | 2.6622 | 6.6355 | 224.9704 | 9.7490 | 39.0007 | 50.2916 | 0.1419 | | |
| 18/10/15 | 89.1011 | 0.2643 | 2.2716 | 2.5360 | 6.7493 | 224.3447 | 10.2703 | 39.0739 | 50.4833 | 0.1793 | | |
| 19/10/15 | 88.9243 | 0.2355 | 2.2367 | 2.4722 | 6.9577 | 225.1092 | 10.7366 | 39.1813 | 50.5164 | 0.1623 | | |
| 20/10/15 | 88.9773 | 0.1939 | 2.4851 | 2.6790 | 6.7525 | 224.7717 | 10.2859 | 38.9977 | 50.3297 | 0.0986 | | |
| 21/10/15 | 88.9810 | 0.1555 | 2.5427 | 2.6982 | 6.8066 | 222.7637 | 9.8826 | 38.9535 | 50.2966 | 0.1037 | | |
| 22/10/15 | 88.6084 | 0.1496 | 2.4065 | 2.5561 | 6.1473 | 225.7285 | 10.0695 | 38.7142 | 50.1608 | 0.1117 | | |
| 23/10/15 | 88.9798 | 0.1493 | 2.6146 | 2.7639 | 6.7520 | 222.3296 | 10.4725 | 38.9130 | 50.2369 | 0.1118 | | |
| 24/10/15 | 88.4489 | 0.1924 | 2.6425 | 2.8349 | 6.7661 | 224.4756 | 9.2400 | 38.8182 | 50.1865 | 0.1166 | | |
| 25/10/15 | 88.3380 | 0.1635 | 2.6539 | 2.8175 | 6.9129 | 223.7562 | 9.5878 | 38.8581 | 50.2345 | 0.1026 | | |
| 26/10/15 | 88.4979 | 0.1598 | 2.5007 | 2.6604 | 6.8776 | 223.4231 | 10.0760 | 38.9363 | 50.3746 | 0.1194 | | |
| 27/10/15 | 88.4002 | 0.1747 | 2.5152 | 2.6899 | 6.9071 | 225.8902 | 10.4225 | 38.9545 | 50.3269 | 0.1321 | | |
| 28/10/15 | 88.8373 | 0.1696 | 2.5345 | 2.7041 | 6.5938 | 224.2393 | 10.4542 | 38.7708 | 50.2314 | 0.1735 | | |
| 29/10/15 | 89.0866 | 0.1138 | 2.6386 | 2.7524 | 6.4182 | 222.0826 | 9.9264 | 38.6232 | 50.1512 | 0.1188 | | |
| 30/10/15 | 88.7875 | 0.1287 | 2.6577 | 2.7864 | 6.6394 | 224.3117 | 8.5449 | 38.6970 | 50.1440 | 0.1212 | | |
| 31/10/15 | 88.8210 | 0.1353 | 2.6517 | 2.7870 | 6.6275 | 224.1361 | 7.6378 | 38.6796 | 50.1469 | 0.1377 | | |

*/ 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 | 87.7468 | 0.1138 | 2.2367 | 2.4722 | 5.7750 | 222.0826 | 7.4117 | 38.6232 | 50.1440 | 0.0986 |
| Promedio | 88.6936 | 0.1922 | 2.4843 | 2.6765 | 6.7159 | 224.1715 | 9.6311 | 38.9276 | 50.2991 | 0.1336 |
| Máximo | 89.2311 | 0.2643 | 2.6577 | 2.8349 | 7.1400 | 225.9919 | 11.0879 | 39.4103 | 50.5164 | 0.1793 |
| Desv. Est. | 0.313367385 | 0.036704933 | 0.111439018 | 0.090038029 | 0.270278747 | 1.120171637 | 1.05290973 | 0.174168602 | 0.093527049 | 0.02195075 |

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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/10/15 | 89.9229 | 0.2103 | 2.4912 | 2.7015 | 6.8226 | 226.3895 | 31.5549 | 39.3169 | 50.3370 | 0.1948 |
| 02/10/15 | 90.1320 | 0.2295 | 2.4929 | 2.7224 | 6.9033 | 226.7749 | 11.3415 | 39.3656 | 50.3648 | 0.1719 |
| 03/10/15 | 90.2187 | 0.2110 | 2.4828 | 2.6938 | 6.9654 | 225.7269 | 11.3720 | 39.3813 | 50.3741 | 0.1930 |
| 04/10/15 | 89.8346 | 0.2679 | 2.4417 | 2.7096 | 7.4941 | 226.3142 | 11.1585 | 39.5822 | 50.5920 | 0.1857 |
| 05/10/15 | 89.4402 | 0.2740 | 2.4436 | 2.7176 | 7.5336 | 225.4774 | 10.6860 | 39.6200 | 50.4781 | 0.2899 |
| 06/10/15 | 90.0999 | 0.2171 | 2.4552 | 2.6723 | 7.1531 | 225.3740 | 10.7470 | 39.9135 | 50.3399 | 0.2040 |
| 07/10/15 | 90.1345 | 0.2748 | 2.4367 | 2.7115 | 6.9415 | 225.3740 | 10.2896 | 39.8165 | 50.3777 | 0.2222 |
| 08/10/15 | 90.0876 | 0.2211 | 2.5392 | 2.7603 | 6.7926 | 225.6996 | 30.9756 | 39.2904 | 50.3639 | 0.1802 |
| 09/10/15 | 89.9855 | 0.2697 | 2.5945 | 2.8642 | 6.8914 | 223.8515 | 8.8415 | 39.2711 | 50.3005 | 0.1591 |
| 10/10/15 | 89.7002 | 0.3023 | 2.5810 | 2.8833 | 7.0198 | 226.0074 | 7.7896 | 39.3027 | 50.2933 | 0.1500 |
| 11/10/15 | 89.6723 | 0.2772 | 2.5801 | 2.8573 | 7.5226 | 228.5097 | 7.6677 | 39.6054 | 50.4784 | 0.1546 |
| 12/10/15 | 89.4112 | 0.2162 | 2.7407 | 2.9569 | 7.4266 | 229.7869 | 8.2927 | 39.5838 | 50.4763 | 0.2177 |
| 13/10/15 | 89.5558 | 0.2250 | 2.6163 | 2.8413 | 7.0905 | 224.5114 | 9.1616 | 39.3961 | 50.3382 | 0.1866 |
| 14/10/15 | 89.2955 | 0.2459 | 2.5950 | 2.8409 | 7.2215 | 225.5879 | 9.5884 | 39.5165 | 50.4230 | 0.2104 |
| 15/10/15 | 89.8281 | 0.2502 | 2.5831 | 2.8333 | 7.1330 | 226.7743 | 31.4024 | 39.5311 | 50.3933 | 0.2113 |
| 16/10/15 | 90.0470 | 0.2391 | 2.5799 | 2.8190 | 7.0362 | 227.3799 | 9.6189 | 39.4313 | 50.3812 | 0.1783 |
| 17/10/15 | 89.8517 | 0.2604 | 2.5004 | 2.7607 | 6.8536 | 228.1328 | 10.0152 | 39.4225 | 50.4011 | 0.1866 |
| 18/10/15 | 89.9666 | 0.2922 | 2.4633 | 2.7555 | 6.9944 | 226.2419 | 10.5488 | 39.6427 | 50.7443 | 0.2661 |
| 19/10/15 | 89.8571 | 0.2875 | 2.4962 | 2.7837 | 7.1378 | 228.5978 | 11.3872 | 39.6498 | 50.7458 | 0.2479 |
| 20/10/15 | 89.7382 | 0.2220 | 2.5921 | 2.8141 | 6.9074 | 226.2097 | 10.6402 | 39.3644 | 50.4308 | 0.1280 |
| 21/10/15 | 89.7678 | 0.1797 | 2.6332 | 2.8129 | 6.9492 | 227.5033 | 10.0610 | 39.3289 | 50.3936 | 0.1436 |
| 22/10/15 | 96.7830 | 0.1840 | 2.8160 | 3.0000 | 7.1300 | 225.7328 | 30.5183 | 39.3901 | 50.3364 | 0.1875 |
| 23/10/15 | 89.9404 | 0.2122 | 2.6685 | 2.8806 | 7.2325 | 224.2212 | 11.2500 | 39.4016 | 50.3085 | 0.1509 |
| 24/10/15 | 89.9269 | 0.2223 | 2.7502 | 2.9725 | 7.2602 | 224.5750 | 9.8018 | 39.4440 | 50.3143 | 0.1472 |
| 25/10/15 | 89.3987 | 0.1964 | 2.7203 | 2.9166 | 7.0954 | 225.8529 | 9.8171 | 39.3153 | 50.2688 | 0.1326 |
| 26/10/15 | 89.6404 | 0.1935 | 2.6916 | 2.8850 | 7.0867 | 227.6226 | 10.3811 | 39.4460 | 50.4801 | 0.2716 |
| 27/10/15 | 89.7132 | 0.2002 | 2.6044 | 2.8046 | 7.1035 | 228.6554 | 10.8994 | 39.4508 | 50.4195 | 0.2524 |
| 28/10/15 | 89.9662 | 0.2211 | 2.6571 | 2.8783 | 6.8123 | 227.4653 | 12.1189 | 39.2851 | 50.3230 | 0.3064 |
| 29/10/15 | 90.2032 | 0.1332 | 2.6981 | 2.8313 | 6.6557 | 224.0160 | 30.2287 | 39.1181 | 50.1808 | 0.1875 |
| 30/10/15 | 89.8294 | 0.1440 | 2.7149 | 2.8589 | 6.8054 | 224.3183 | 9.1616 | 39.1360 | 50.1807 | 0.2021 |
| 31/10/15 | 89.9376 | 0.1545 | 2.7293 | 2.8838 | 6.9618 | 224.3607 | 7.9878 | 39.1443 | 50.1738 | 0.2104 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Máximo | 96.7830 | 0.3023 | 2.8160 | 3.0000 | 7.5336 | 229.7869 | 31.5549 | 39.9135 | 50.7458 | 0.3064 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/10/15 | 87.8382 | 0.1901 | 2.3751 | 2.5651 | 5.9879 | 223.5385 | 7.4695 | 38.8512 | 50.2803 | 0.1098 |
| 02/10/15 | 88.5830 | 0.1960 | 2.3163 | 2.5123 | 6.0720 | 225.2071 | 10.6098 | 38.7074 | 50.2287 | 0.0064 |
| 03/10/15 | 88.5561 | 0.1460 | 2.4013 | 2.5473 | 6.1734 | 223.5403 | 10.6555 | 38.8333 | 50.2648 | 0.0704 |
| 04/10/15 | 88.2082 | 0.1622 | 2.2588 | 2.4210 | 5.7135 | 222.4857 | 10.5488 | 38.9883 | 50.2988 | 0.0969 |
| 05/10/15 | 88.1197 | 0.2274 | 2.3271 | 2.5545 | 5.7834 | 223.4081 | 10.1677 | 39.0095 | 50.3147 | 0.0640 |
| 06/10/15 | 87.9425 | 0.1618 | 2.3206 | 2.4825 | 6.2523 | 222.0450 | 10.1982 | 39.2602 | 50.2816 | 0.1015 |
| 07/10/15 | 87.7466 | 0.1282 | 2.2738 | 2.4020 | 5.6850 | 222.9691 | 9.1463 | 38.5922 | 50.2877 | 0.0988 |
| 08/10/15 | 87.9555 | 0.1813 | 2.3912 | 2.5726 | 6.1026 | 222.0696 | 7.1189 | 38.8217 | 50.2115 | 0.0997 |
| 09/10/15 | 88.7621 | 0.2043 | 2.3314 | 2.5357 | 6.5844 | 219.2951 | 7.6524 | 38.6892 | 50.0997 | 0.0823 |
| 10/10/15 | 88.0834 | 0.1491 | 2.4279 | 2.5770 | 6.0740 | 220.3773 | 7.1341 | 38.7174 | 50.2220 | 0.0009 |
| 11/10/15 | 87.9285 | 0.1852 | 2.4055 | 2.5907 | 6.9342 | 223.3006 | 7.1341 | 39.0943 | 50.2927 | 0.0183 |
| 12/10/15 | 88.2730 | 0.1533 | 2.5430 | 2.6963 | 5.8877 | 220.2931 | 7.4543 | 39.0036 | 50.2839 | 0.0787 |
| 13/10/15 | 87.9659 | 0.1449 | 2.4027 | 2.5476 | 6.2576 | 222.1794 | 8.1860 | 39.0256 | 50.2447 | 0.1061 |
| 14/10/15 | 88.1915 | 0.2033 | 2.4577 | 2.6610 | 6.4372 | 223.1419 | 8.9482 | 39.0633 | 50.2602 | 0.1280 |
| 15/10/15 | 88.0667 | 0.1607 | 2.4019 | 2.5626 | 5.9805 | 223.7824 | 6.8598 | 38.8039 | 50.2031 | 0.1162 |
| 16/10/15 | 88.1365 | 0.1494 | 2.2826 | 2.4320 | 6.4850 | 223.8716 | 9.0091 | 38.8356 | 50.2359 | 0.1143 |
| 17/10/15 | 88.0098 | 0.2207 | 2.2774 | 2.4981 | 6.5145 | 224.4090 | 9.4360 | 38.9695 | 50.1821 | 0.0960 |
| 18/10/15 | 88.9858 | 0.2185 | 2.2508 | 2.4694 | 6.5637 | 224.1070 | 9.9390 | 39.0489 | 50.2223 | 0.1262 |
| 19/10/15 | 88.4907 | 0.2268 | 2.2367 | 2.4636 | 6.6041 | 224.7412 | 10.2896 | 39.1042 | 50.2870 | 0.1043 |
| 20/10/15 | 88.2275 | 0.1718 | 2.4693 | 2.6411 | 5.9168 | 219.9505 | 9.8018 | 38.8815 | 50.2287 | 0.0229 |
| 21/10/15 | 88.5878 | 0.1270 | 2.4628 | 2.5898 | 6.3838 | 219.9073 | 9.7104 | 38.9000 | 50.1996 | 0.0732 |
| 22/10/15 | 87.7599 | 0.1421 | 2.2427 | 2.3848 | 5.9241 | 117.2968 | 6.8293 | 38.5798 | 50.1352 | 0.0726 |
| 23/10/15 | 88.7655 | 0.1288 | 2.5169 | 2.6457 | 6.4512 | 222.2959 | 9.4665 | 38.7845 | 50.1653 | 0.0841 |
| 24/10/15 | 88.2286 | 0.1603 | 2.6148 | 2.7751 | 6.4783 | 219.5266 | 8.8567 | 38.6801 | 50.0587 | 0.0887 |
| 25/10/15 | 88.2591 | 0.1397 | 2.5731 | 2.7127 | 6.4501 | 223.4070 | 9.3902 | 38.8363 | 50.2001 | 0.0796 |
| 26/10/15 | 87.8748 | 0.1187 | 2.3435 | 2.4622 | 5.7630 | 223.0408 | 9.7713 | 38.8313 | 50.2691 | 0.0841 |
| 27/10/15 | 87.8558 | 0.1465 | 2.2595 | 2.4059 | 6.6524 | 224.2877 | 9.8476 | 38.8775 | 50.2342 | 0.1043 |
| 28/10/15 | 88.1556 | 0.1540 | 2.4490 | 2.6030 | 6.1588 | 223.5168 | 9.6189 | 38.7635 | 50.1399 | 0.0704 |
| 29/10/15 | 88.5641 | 0.1138 | 2.3882 | 2.5019 | 5.8121 | 220.4938 | 8.1707 | 38.5114 | 50.1216 | 0.0796 |
| 30/10/15 | 87.9069 | 0.1249 | 2.3833 | 2.5083 | 6.3096 | 217.1586 | 7.7896 | 38.5612 | 50.1074 | 0.0896 |
| 31/10/15 | 88.4275 | 0.1217 | 2.5860 | 2.7077 | 6.2417 | 220.3396 | 7.1951 | 38.5759 | 50.1199 | 0.0960 |

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|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|
| Mínimo | 87.7466 | 0.1138 | 2.2367 | 2.3848 | 5.6850 | 117.2968 | 6.8293 | 38.5114 | 50.0587 | 0.0009 |
|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|

Observaciones: