

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 Sulfhídrico (mg/m3) | Azufre total* (mg/m3) | Oxígeno* (% vol) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|------------------------------|--------------------------|---------------------|
| 01/07/16 | 90.1608 | 0.1794 | 2.4578 | 2.6372 | 5.8233 | 225.5466 | 11.1176 | 38.6275 | 50.1102 | 0.0915 | Menor a 10.8 | N.D. |
| 02/07/16 | 90.4081 | 0.2038 | 2.3838 | 2.5876 | 5.6800 | 223.5620 | 10.7733 | 38.5698 | 50.0567 | 0.0497 | | |
| 03/07/16 | 90.7134 | 0.1701 | 2.3491 | 2.5192 | 5.5157 | 224.9581 | 11.1444 | 38.5051 | 50.0901 | 0.0670 | | |
| 04/07/16 | 91.1938 | 0.2164 | 2.1955 | 2.4119 | 5.1690 | 227.6085 | 6.2681 | 38.4315 | 50.1098 | 0.6064 | | |
| 05/07/16 | 91.1502 | 0.2536 | 2.1252 | 2.3788 | 5.2430 | 225.7192 | 10.0487 | 38.4607 | 50.2349 | 0.1234 | | |
| 06/07/16 | 90.7492 | 0.2326 | 2.0542 | 2.2868 | 5.6846 | 221.5479 | 9.7258 | 38.6480 | 50.3827 | 0.0348 | | |
| 07/07/16 | 90.9577 | 0.2219 | 2.1316 | 2.3535 | 5.4361 | 221.6384 | 12.5142 | 38.5394 | 50.0779 | 0.0795 | | |
| 08/07/16 | 91.0155 | 0.2186 | 2.0549 | 2.2735 | 5.5283 | 220.4692 | 11.9560 | 38.5546 | 50.1764 | 0.1233 | | |
| 09/07/16 | 90.6953 | 0.2540 | 2.1258 | 2.3798 | 5.6321 | 221.0477 | 11.8225 | 38.6092 | 50.1436 | 0.0760 | | |
| 10/07/16 | 90.4622 | 0.2897 | 2.2149 | 2.5045 | 5.6853 | 222.4518 | 12.7733 | 38.6123 | 50.0008 | 0.0458 | | |
| 11/07/16 | 90.3181 | 0.2909 | 2.1774 | 2.4682 | 5.8351 | 222.2874 | 13.9764 | 38.6880 | 50.1471 | 0.5223 | | |
| 12/07/16 | 90.4970 | 0.2584 | 2.2463 | 2.5047 | 5.6836 | 222.9401 | 14.3571 | 38.5917 | 50.2006 | 0.6940 | | |
| 13/07/16 | 90.3533 | 0.2520 | 2.2289 | 2.4809 | 5.8156 | 222.7714 | 13.8105 | 38.6592 | 50.1288 | 0.6509 | | |
| 14/07/16 | 90.2177 | 0.2606 | 2.1671 | 2.4278 | 5.9748 | 225.6282 | 14.9450 | 38.7491 | 50.1366 | 0.6884 | | |
| 15/07/16 | 90.4478 | 0.1919 | 2.1802 | 2.3721 | 5.8156 | 222.9534 | 14.1996 | 38.7123 | 50.3086 | 0.7378 | | |
| 16/07/16 | 90.3324 | 0.2080 | 2.2648 | 2.4728 | 5.8056 | 223.1929 | 13.7565 | 38.6836 | 50.2028 | 0.0784 | | |
| 17/07/16 | 90.4138 | 0.1550 | 2.3036 | 2.4586 | 5.7830 | 220.4989 | 12.2068 | 38.6560 | 50.1172 | 0.0831 | | |
| 18/07/16 | 90.7620 | 0.1644 | 2.2918 | 2.4561 | 5.5251 | 219.9046 | 12.8226 | 38.5287 | 50.1065 | 0.4890 | | |
| 19/07/16 | 90.9330 | 0.1930 | 2.1721 | 2.3651 | 5.4712 | 222.9629 | 12.4261 | 38.5341 | 50.1673 | 0.6398 | | |
| 20/07/16 | 90.9263 | 0.2422 | 2.1093 | 2.3515 | 5.4531 | 221.8163 | 12.9410 | 38.5585 | 50.1962 | 0.6861 | | |
| 21/07/16 | 90.6620 | 0.2232 | 2.1675 | 2.3906 | 5.6378 | 222.1273 | 15.6924 | 38.6201 | 50.1462 | 0.4771 | | |
| 22/07/16 | 90.2729 | 0.1727 | 2.2565 | 2.4292 | 5.9081 | 223.1945 | 14.8080 | 38.7324 | 50.2910 | 0.3492 | | |
| 23/07/16 | 90.3056 | 0.2206 | 2.2516 | 2.4722 | 5.8220 | 224.4229 | 15.0268 | 38.6990 | 50.0406 | 0.4185 | | |
| 24/07/16 | 90.3727 | 0.2134 | 2.1914 | 2.4049 | 5.8946 | 222.4836 | 14.3033 | 38.7004 | 50.2418 | 0.3378 | | |
| 25/07/16 | 90.3945 | 0.3048 | 2.0686 | 2.3734 | 5.8652 | 224.0563 | 14.1397 | 38.7320 | 50.2813 | 0.2923 | | |
| 26/07/16 | 89.9899 | 0.3141 | 2.0635 | 2.3777 | 6.2589 | 222.2896 | 14.4929 | 38.8417 | 50.3828 | 0.8583 | | |
| 27/07/16 | 90.0754 | 0.3052 | 2.1190 | 2.4243 | 6.0962 | 223.7735 | 13.7420 | 38.7963 | 50.3111 | 0.8731 | | |
| 28/07/16 | 89.9313 | 0.2698 | 2.0941 | 2.3639 | 6.3132 | 224.4124 | 15.0973 | 38.8732 | 50.3680 | 0.2667 | | |
| 29/07/16 | 89.7622 | 0.2787 | 2.1461 | 2.4249 | 6.3689 | 223.1199 | 15.5470 | 38.8994 | 50.3342 | 0.3402 | | |
| 30/07/16 | 89.6690 | 0.2666 | 2.1819 | 2.4486 | 6.4404 | 224.4650 | 14.7504 | 38.9097 | 50.3918 | 0.4056 | | |
| 31/07/16 | 89.4422 | 0.2564 | 2.1936 | 2.4500 | 6.6427 | 222.9203 | 14.6302 | 38.9779 | 50.3755 | 0.2595 | | |

*/ 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 | 89.4422 | 0.1550 | 2.0542 | 2.2735 | 5.1690 | 219.9046 | 6.2681 | 38.4315 | 50.0008 | 0.0348 |
| Promedio | 90.4382 | 0.2349 | 2.1925 | 2.4274 | 5.8003 | 223.1216 | 13.0908 | 38.6678 | 50.2019 | 0.3692 |
| Máximo | 91.1938 | 0.3141 | 2.4578 | 2.6372 | 6.6427 | 227.6085 | 15.6924 | 38.9779 | 50.3918 | 0.8731 |
| Desv. Est. | 0.424377381 | 0.044174351 | 0.096666902 | 0.077282254 | 0.340232954 | 1.707923113 | 2.053066996 | 0.135015948 | 0.113510238 | 0.269174223 |

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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/07/16 | 91.9300 | 0.2046 | 2.6260 | 2.8306 | 6.2276 | 229.4808 | 11.4482 | 39.0231 | 50.1655 | 0.1174 |
| 02/07/16 | 91.3962 | 0.2167 | 2.4805 | 2.6973 | 5.9209 | 230.4883 | 11.1585 | 38.9265 | 50.1287 | 0.1892 |
| 03/07/16 | 92.0844 | 0.2106 | 2.5787 | 2.7893 | 5.9732 | 229.1517 | 11.8598 | 38.8997 | 50.1526 | 0.2801 |
| 04/07/16 | 92.2260 | 0.2507 | 2.3003 | 2.5509 | 5.5702 | 228.0076 | 10.6555 | 38.8373 | 50.1408 | 0.9176 |
| 05/07/16 | 92.1908 | 0.2845 | 2.2802 | 2.5646 | 5.5190 | 225.8690 | 10.4268 | 39.0049 | 50.3153 | 0.8193 |
| 06/07/16 | 92.0737 | 0.2633 | 2.1772 | 2.4405 | 6.4055 | 222.6050 | 10.1982 | 39.1992 | 50.4354 | 0.8475 |
| 07/07/16 | 92.0377 | 0.2462 | 2.1807 | 2.4269 | 5.7437 | 222.0201 | 31.9512 | 38.9334 | 50.2488 | 0.8593 |
| 08/07/16 | 92.5223 | 0.2390 | 2.2180 | 2.4570 | 6.2917 | 222.8418 | 12.5610 | 39.0567 | 50.4343 | 0.8193 |
| 09/07/16 | 92.2009 | 0.2833 | 2.2082 | 2.4915 | 6.2528 | 222.4771 | 12.5610 | 39.1137 | 50.2962 | 0.8793 |
| 10/07/16 | 91.5056 | 0.3190 | 2.3145 | 2.6335 | 6.0586 | 223.4064 | 13.5671 | 39.0318 | 50.2198 | 0.8593 |
| 11/07/16 | 91.4833 | 0.3524 | 2.2983 | 2.6508 | 6.4246 | 224.4688 | 16.5701 | 39.1652 | 50.2959 | 1.2557 |
| 12/07/16 | 91.6643 | 0.2902 | 2.3135 | 2.6037 | 6.1670 | 223.3630 | 15.3659 | 38.9971 | 50.3030 | 0.9310 |
| 13/07/16 | 91.7206 | 0.2687 | 2.3041 | 2.5727 | 6.1475 | 223.8454 | 14.8323 | 39.0487 | 50.2574 | 0.9503 |
| 14/07/16 | 91.6369 | 0.2946 | 2.2899 | 2.5846 | 6.4632 | 227.4140 | 36.4634 | 39.2529 | 50.3977 | 0.9412 |
| 15/07/16 | 91.6277 | 0.2354 | 2.3778 | 2.6132 | 6.1913 | 225.4692 | 15.0915 | 39.0734 | 50.3351 | 0.9139 |
| 16/07/16 | 91.7548 | 0.2593 | 2.3826 | 2.6419 | 6.2269 | 223.7525 | 14.1463 | 39.2606 | 50.3595 | 0.1418 |
| 17/07/16 | 91.7850 | 0.1721 | 2.4629 | 2.6350 | 6.0278 | 223.4476 | 13.5976 | 39.0150 | 50.3314 | 0.1710 |
| 18/07/16 | 91.7976 | 0.1903 | 2.3566 | 2.5469 | 5.7671 | 223.0739 | 13.7500 | 38.8812 | 50.1794 | 0.9329 |
| 19/07/16 | 91.9806 | 0.2393 | 2.2687 | 2.5079 | 6.0961 | 223.6538 | 13.0945 | 39.0058 | 50.2813 | 0.8963 |
| 20/07/16 | 91.7001 | 0.2532 | 2.1485 | 2.4017 | 5.6350 | 224.1187 | 13.5976 | 38.9009 | 50.2330 | 0.9420 |
| 21/07/16 | 91.8132 | 0.2491 | 2.2556 | 2.5047 | 5.9904 | 224.8947 | 34.6494 | 39.0434 | 50.2978 | 0.6997 |
| 22/07/16 | 91.2843 | 0.2266 | 2.3693 | 2.5959 | 6.3420 | 223.7894 | 15.2896 | 39.2060 | 50.3986 | 0.6265 |
| 23/07/16 | 91.2730 | 0.2857 | 2.4889 | 2.7746 | 6.0993 | 224.5787 | 15.7927 | 39.1337 | 50.2986 | 0.6256 |
| 24/07/16 | 91.2218 | 0.2656 | 2.4370 | 2.7026 | 6.2501 | 223.7845 | 14.8323 | 39.0525 | 50.3031 | 0.5588 |
| 25/07/16 | 91.4159 | 0.3326 | 2.1790 | 2.5116 | 6.1227 | 226.8895 | 14.7104 | 39.1010 | 50.3198 | 1.2082 |
| 26/07/16 | 91.0475 | 0.3388 | 2.1474 | 2.4862 | 6.4928 | 223.6321 | 14.8933 | 39.1976 | 50.3832 | 1.3463 |
| 27/07/16 | 91.1552 | 0.3427 | 2.2572 | 2.5999 | 6.3841 | 224.5445 | 14.5732 | 39.1417 | 50.3291 | 1.6380 |
| 28/07/16 | 90.8772 | 0.3245 | 2.1907 | 2.5153 | 6.6312 | 224.8346 | 33.6280 | 39.2398 | 50.4149 | 0.5981 |
| 29/07/16 | 90.8570 | 0.3293 | 2.2522 | 2.5815 | 6.5717 | 225.1930 | 16.4177 | 39.2974 | 50.4253 | 0.6887 |
| 30/07/16 | 90.5843 | 0.3160 | 2.2898 | 2.6057 | 6.6248 | 224.8855 | 15.0305 | 39.2485 | 50.3922 | 0.6997 |
| 31/07/16 | 90.7023 | 0.2936 | 2.2601 | 2.5537 | 6.9021 | 224.4184 | 15.2287 | 39.3236 | 50.4048 | 0.6695 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Máximo | 92.5223 | 0.3524 | 2.6260 | 2.8306 | 6.9021 | 230.4883 | 36.4634 | 39.3236 | 50.4354 | 1.6380 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| 01/07/16 | 89.3435 | 0.1351 | 2.2206 | 2.3557 | 5.6958 | 220.7925 | 10.5640 | 38.4748 | 50.0551 | 0.0311 |
| 02/07/16 | 89.3571 | 0.1604 | 2.1848 | 2.3453 | 4.9369 | 220.9378 | 10.4421 | 38.3809 | 50.0490 | 0.0311 |
| 03/07/16 | 90.1640 | 0.1532 | 2.0420 | 2.1952 | 4.9088 | 221.7078 | 10.6250 | 38.4977 | 50.0829 | 0.0311 |
| 04/07/16 | 90.4411 | 0.2058 | 1.9052 | 2.1111 | 4.9910 | 220.3594 | 4.7256 | 38.3138 | 50.0359 | 0.0728 |
| 05/07/16 | 90.8820 | 0.2509 | 1.8582 | 2.1091 | 5.0358 | 219.2231 | 9.5732 | 38.2778 | 50.0103 | 0.0320 |
| 06/07/16 | 90.4359 | 0.1992 | 1.9714 | 2.1706 | 4.9014 | 219.5133 | 9.3902 | 38.6431 | 50.1353 | 0.0312 |
| 07/07/16 | 90.0575 | 0.1825 | 2.1251 | 2.3076 | 4.6345 | 220.0604 | 8.4451 | 38.4011 | 50.0656 | 0.0484 |
| 08/07/16 | 90.6464 | 0.2058 | 1.8472 | 2.0529 | 5.1643 | 219.4994 | 11.2348 | 38.4327 | 50.1338 | 0.0221 |
| 09/07/16 | 89.2311 | 0.2161 | 1.9405 | 2.1566 | 5.2258 | 220.5611 | 11.0823 | 38.5852 | 50.1425 | 0.0485 |
| 10/07/16 | 89.5643 | 0.2855 | 2.0394 | 2.3249 | 5.3244 | 221.2883 | 12.0427 | 38.4547 | 49.9985 | 0.0310 |
| 11/07/16 | 90.0693 | 0.2908 | 2.1661 | 2.4569 | 5.0901 | 221.5276 | 13.0488 | 38.6771 | 50.0778 | 0.0184 |
| 12/07/16 | 90.1445 | 0.2516 | 2.1038 | 2.3554 | 5.4109 | 221.3789 | 13.1860 | 38.5816 | 50.0600 | 0.5350 |
| 13/07/16 | 89.3868 | 0.2445 | 2.0451 | 2.2896 | 5.2340 | 221.6177 | 4.3445 | 38.5181 | 50.1084 | 0.0311 |
| 14/07/16 | 89.2294 | 0.2159 | 2.1600 | 2.3759 | 5.2980 | 222.8205 | 14.3750 | 38.7335 | 50.1092 | 0.0641 |
| 15/07/16 | 88.9378 | 0.1452 | 1.9979 | 2.1431 | 5.0085 | 221.7640 | 0.5030 | 38.6419 | 50.1823 | 0.0540 |
| 16/07/16 | 89.3604 | 0.1747 | 1.9366 | 2.1113 | 5.4626 | 218.2179 | 13.0793 | 38.5235 | 50.0947 | 0.0494 |
| 17/07/16 | 89.2486 | 0.1230 | 2.1568 | 2.2798 | 5.2802 | 219.5502 | 11.0366 | 38.5220 | 50.1106 | 0.0329 |
| 18/07/16 | 90.4713 | 0.1592 | 2.2508 | 2.4101 | 4.9562 | 219.2492 | 11.8445 | 38.5270 | 50.0636 | 0.0366 |
| 19/07/16 | 90.7566 | 0.1901 | 1.9335 | 2.1237 | 5.0219 | 220.7590 | 11.8140 | 38.4482 | 50.0961 | 0.4235 |
| 20/07/16 | 90.8041 | 0.2106 | 1.9350 | 2.1456 | 4.8780 | 220.8365 | 12.2256 | 38.3749 | 50.1366 | 0.4829 |
| 21/07/16 | 89.9824 | 0.2049 | 2.1513 | 2.3562 | 5.5138 | 221.0587 | 9.2835 | 38.5254 | 50.1063 | 0.3347 |
| 22/07/16 | 89.2581 | 0.1560 | 2.0785 | 2.2346 | 5.0146 | 221.7244 | 14.3293 | 38.5968 | 50.1855 | 0.0668 |
| 23/07/16 | 89.9094 | 0.2150 | 2.2455 | 2.4605 | 5.4775 | 222.8029 | 14.4512 | 38.5296 | 49.9971 | 0.1985 |
| 24/07/16 | 89.1232 | 0.1746 | 2.0961 | 2.2707 | 5.5483 | 222.1610 | 13.3689 | 38.5058 | 50.1674 | 0.0037 |
| 25/07/16 | 89.0590 | 0.3047 | 1.9642 | 2.2688 | 5.1254 | 223.7435 | 13.3537 | 38.7098 | 50.2146 | 0.0183 |
| 26/07/16 | 89.4512 | 0.3111 | 2.0070 | 2.3181 | 5.5181 | 221.8767 | 14.1159 | 38.7211 | 50.2729 | 0.2396 |
| 27/07/16 | 89.3899 | 0.2669 | 2.0156 | 2.2824 | 5.2651 | 221.5362 | 12.9726 | 38.7281 | 50.2146 | 0.0430 |
| 28/07/16 | 89.3481 | 0.2389 | 1.9155 | 2.1544 | 5.6575 | 220.9292 | 9.9695 | 38.7963 | 50.2850 | 0.0311 |
| 29/07/16 | 88.9145 | 0.2349 | 2.0638 | 2.2987 | 5.8589 | 222.3256 | 14.6341 | 38.7428 | 50.2483 | 0.0320 |
| 30/07/16 | 88.1447 | 0.2362 | 2.0805 | 2.3167 | 6.2569 | 223.4433 | 14.2683 | 38.8666 | 50.2998 | 0.1710 |
| 31/07/16 | 89.1064 | 0.2114 | 2.1210 | 2.3324 | 6.2137 | 222.4118 | 14.2988 | 38.8055 | 50.3455 | 0.0329 |

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|--------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|
| Mínimo | 88.1447 | 0.1230 | 1.8472 | 2.0529 | 4.6345 | 218.2179 | 0.5030 | 38.2778 | 49.9971 | 0.0037 |
|--------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|

Observaciones: