

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)



| | |
|---------------------------|---------------------------|
| PERMISIONARIO: | Gas Natural México |
| PUNTO DE MEDICIÓN: | PEGN Nuevo Laredo |
| 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 Rocío (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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|--|--------------------------------------|---|---------------------------------------|---------------------|
| 01/12/2019 | 92.0956 | 1.0587 | 0.1057 | 1.1645 | 4.5005 | 303.4499 | 286.6663 | 40.4633 | 51.4187 | 3.6061 | 2.9500 | 0.0050 |
| 02/12/2019 | 91.9852 | 1.0611 | 0.1059 | 1.1670 | 4.5711 | 304.4306 | 292.6801 | 40.5184 | 51.4478 | 2.9291 | | |
| 03/12/2019 | 91.9546 | 1.0653 | 0.1051 | 1.1704 | 4.5648 | 303.9630 | 299.6848 | 40.5304 | 51.4520 | 3.1623 | | |
| 04/12/2019 | 91.9314 | 1.0595 | 0.1054 | 1.1650 | 4.5779 | 305.9170 | 302.8855 | 40.5722 | 51.4788 | 3.5508 | | |
| 05/12/2019 | 92.0690 | 1.0606 | 0.1059 | 1.1665 | 4.4821 | 306.2083 | 301.1241 | 40.5175 | 51.4473 | 4.0989 | | |
| 06/12/2019 | 92.0756 | 1.0694 | 0.1060 | 1.1754 | 4.5120 | 304.1104 | 288.8206 | 40.4668 | 51.4134 | 3.8126 | | |
| 07/12/2019 | 92.0452 | 1.0709 | 0.1055 | 1.1765 | 4.5309 | 304.4544 | 280.1674 | 40.4851 | 51.4228 | 3.4981 | | |
| 08/12/2019 | 92.1042 | 1.0598 | 0.1061 | 1.1659 | 4.4987 | 304.4886 | 295.3720 | 40.4636 | 51.4180 | 4.1355 | | |
| 09/12/2019 | 91.9939 | 1.0671 | 0.1051 | 1.1722 | 4.5528 | 305.0180 | 287.8728 | 40.5113 | 51.4401 | 4.2504 | | |
| 10/12/2019 | 91.9917 | 1.0706 | 0.1057 | 1.1764 | 4.5590 | 301.8488 | 280.3736 | 40.4858 | 51.4234 | 3.6637 | | |
| 11/12/2019 | 91.9800 | 1.0726 | 0.1052 | 1.1777 | 4.5405 | 303.3860 | 301.4260 | 40.5227 | 51.4427 | 3.0536 | | |
| 12/12/2019 | 91.9981 | 1.0694 | 0.1045 | 1.1739 | 4.5481 | 303.6451 | 292.4755 | 40.5076 | 51.4368 | 3.0473 | | |
| 13/12/2019 | 92.1223 | 1.0641 | 0.1052 | 1.1693 | 4.4609 | 304.3977 | 287.9250 | 40.4681 | 51.4179 | 3.4595 | | |
| 14/12/2019 | 92.1337 | 1.0675 | 0.1050 | 1.1726 | 4.4750 | 304.5047 | 278.4235 | 40.4514 | 51.4064 | 3.8200 | | |
| 15/12/2019 | 92.1002 | 1.0702 | 0.1054 | 1.1756 | 4.4949 | 305.3072 | 283.5460 | 40.4774 | 51.4189 | 4.2377 | | |
| 16/12/2019 | 92.0431 | 1.0629 | 0.1056 | 1.1685 | 4.5615 | 303.0157 | 265.9330 | 40.4685 | 51.4191 | 3.6449 | | |
| 17/12/2019 | 91.9218 | 1.0685 | 0.1054 | 1.1739 | 4.6052 | 301.0887 | 297.3980 | 40.5111 | 51.4392 | 2.2654 | | |
| 18/12/2019 | 91.9304 | 1.0568 | 0.1048 | 1.1616 | 4.5967 | 302.3750 | 312.3209 | 40.5404 | 51.4634 | 2.0536 | | |
| 19/12/2019 | 91.8484 | 1.0667 | 0.1043 | 1.1710 | 4.6217 | 305.7315 | 297.9113 | 40.6079 | 51.4943 | 3.1062 | | |
| 20/12/2019 | 92.1469 | 1.0530 | 0.1062 | 1.1591 | 4.4713 | 302.4987 | 264.4246 | 40.4418 | 51.4105 | 3.9408 | | |
| 21/12/2019 | 92.1375 | 1.0609 | 0.1056 | 1.1665 | 4.5254 | 299.8312 | 254.3739 | 40.3891 | 51.3764 | 3.6161 | | |
| 22/12/2019 | 92.1452 | 1.0689 | 0.1068 | 1.1757 | 4.4972 | 300.6056 | 251.7605 | 40.3957 | 51.3741 | 3.3854 | | |
| 23/12/2019 | 92.0403 | 1.0651 | 0.1057 | 1.1708 | 4.5656 | 301.9758 | 251.2103 | 40.4476 | 51.4061 | 3.6803 | | |
| 24/12/2019 | 92.0485 | 1.0723 | 0.1053 | 1.1776 | 4.5381 | 303.4049 | 239.8711 | 40.4558 | 51.4058 | 3.9723 | | |
| 25/12/2019 | 92.0380 | 1.0670 | 0.1059 | 1.1729 | 4.5286 | 305.7183 | 254.3300 | 40.4970 | 51.4318 | 4.2746 | | |
| 26/12/2019 | 92.0027 | 1.0614 | 0.1056 | 1.1670 | 4.5851 | 303.8810 | 250.7228 | 40.4826 | 51.4280 | 3.5046 | | |
| 27/12/2019 | 92.0421 | 1.0618 | 0.1047 | 1.1664 | 4.5445 | 303.9960 | 252.4623 | 40.4743 | 51.4235 | 3.9172 | | |
| 28/12/2019 | 92.0534 | 1.0669 | 0.1051 | 1.1720 | 4.5359 | 302.2599 | 246.1079 | 40.4523 | 51.4076 | 3.8988 | | |
| 29/12/2019 | 92.1020 | 1.0592 | 0.1057 | 1.1648 | 4.5126 | 299.3709 | 240.8116 | 40.4139 | 51.3913 | 3.7735 | | |
| 30/12/2019 | 91.9681 | 1.0610 | 0.1056 | 1.1665 | 4.6139 | 301.0593 | 245.8575 | 40.4783 | 51.4260 | 3.8632 | | |
| 31/12/2019 | 92.0138 | 1.0577 | 0.1053 | 1.1630 | 4.5579 | 301.3537 | 238.5441 | 40.4767 | 51.4273 | 3.8452 | | |

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

| | | | | | | | | | | | | |
|-------------------|---------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Mínimo | 91.8484 | 1.0530 | 0.1043 | 1.1591 | 4.4609 | 299.3709 | 238.5441 | 40.3891 | 51.3741 | 2.0536 | | |
| Promedio | 92.0343 | 1.0644 | 0.1055 | 1.1699 | 4.5397 | 303.3321 | 274.9511 | 40.4830 | 51.4261 | 3.5828 | | |
| Máximo | 92.1469 | 1.0726 | 0.1068 | 1.1777 | 4.6217 | 306.2083 | 312.3209 | 40.6079 | 51.4943 | 4.2746 | | |
| Desv. Est. | 0.0743 | 0.005081161 | 0.00051503 | 0.005019488 | 0.042571025 | 1.804822609 | 22.86653949 | 0.046192398 | 0.025721124 | 0.525091803 | | |

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)



PERMISIONARIO: Gas Natural México

PUNTO DE MEDICIÓN: PEGN Nuevo Laredo

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/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulhídrico (mg/m ³) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/12/2019 | 92.2298 | 1.0782 | 0.1101 | 1.1883 | 4.6053 | 307.1331 | 322.1229 | 40.5398 | 51.4710 | 4.2427 |
| 02/12/2019 | 92.1425 | 1.0753 | 0.1091 | 1.1844 | 4.7026 | 307.9990 | 332.5798 | 40.5634 | 51.4723 | 3.5849 |
| 03/12/2019 | 92.1478 | 1.0895 | 0.1092 | 1.1987 | 4.6784 | 309.6606 | 346.8777 | 40.5795 | 51.4730 | 3.9323 |
| 04/12/2019 | 92.1500 | 1.0853 | 0.1093 | 1.1946 | 4.7606 | 309.2041 | 347.6553 | 40.6304 | 51.5143 | 4.1200 |
| 05/12/2019 | 92.2560 | 1.0800 | 0.1097 | 1.1897 | 4.5779 | 308.6065 | 329.6226 | 40.5428 | 51.4665 | 4.6425 |
| 06/12/2019 | 92.2604 | 1.0890 | 0.1106 | 1.1996 | 4.6227 | 307.7098 | 316.8184 | 40.4942 | 51.4387 | 4.5192 |
| 07/12/2019 | 92.1990 | 1.0863 | 0.1100 | 1.1963 | 4.6030 | 307.6264 | 329.1501 | 40.5159 | 51.4470 | 3.8395 |
| 08/12/2019 | 92.2219 | 1.0796 | 0.1116 | 1.1913 | 4.6032 | 307.2549 | 334.5156 | 40.5299 | 51.4611 | 4.5179 |
| 09/12/2019 | 92.1741 | 1.0969 | 0.1095 | 1.2064 | 4.6538 | 307.1627 | 322.2906 | 40.5577 | 51.4697 | 5.3242 |
| 10/12/2019 | 92.1432 | 1.0961 | 0.1097 | 1.2058 | 4.6793 | 304.0933 | 310.0656 | 40.5226 | 51.4495 | 4.1180 |
| 11/12/2019 | 92.2246 | 1.1011 | 0.1089 | 1.2101 | 4.7276 | 307.8073 | 338.8294 | 40.5816 | 51.4730 | 3.6711 |
| 12/12/2019 | 92.2192 | 1.0870 | 0.1094 | 1.1964 | 4.6864 | 308.6833 | 336.4058 | 40.5552 | 51.4631 | 3.6585 |
| 13/12/2019 | 92.3118 | 1.0811 | 0.1083 | 1.1894 | 4.5696 | 309.9049 | 336.3906 | 40.5215 | 51.4491 | 4.5855 |
| 14/12/2019 | 92.2973 | 1.0867 | 0.1094 | 1.1961 | 4.5476 | 308.0176 | 320.8121 | 40.4914 | 51.4318 | 4.5669 |
| 15/12/2019 | 92.1822 | 1.0959 | 0.1099 | 1.2058 | 4.5531 | 307.4758 | 329.3176 | 40.5015 | 51.4445 | 4.7699 |
| 16/12/2019 | 92.2351 | 1.0800 | 0.1099 | 1.1899 | 4.6948 | 306.9255 | 299.3955 | 40.5187 | 51.4464 | 4.7042 |
| 17/12/2019 | 92.1014 | 1.0838 | 0.1096 | 1.1934 | 4.7114 | 305.1145 | 435.2118 | 40.5686 | 51.4807 | 2.9449 |
| 18/12/2019 | 92.1446 | 1.0781 | 0.1112 | 1.1893 | 4.8076 | 307.8337 | 398.3996 | 40.6003 | 51.5002 | 3.1353 |
| 19/12/2019 | 92.0986 | 1.0876 | 0.1094 | 1.1971 | 4.8255 | 309.4215 | 327.8087 | 40.6756 | 51.5298 | 4.0258 |
| 20/12/2019 | 92.3223 | 1.0790 | 0.1108 | 1.1897 | 4.5651 | 304.7782 | 286.6978 | 40.5798 | 51.4857 | 4.2798 |
| 21/12/2019 | 92.2667 | 1.0781 | 0.1092 | 1.1873 | 4.6460 | 305.4674 | 288.5271 | 40.4487 | 51.4179 | 4.5722 |
| 22/12/2019 | 92.2211 | 1.0885 | 0.1107 | 1.1992 | 4.6340 | 306.8363 | 299.4564 | 40.5174 | 51.4509 | 4.1684 |
| 23/12/2019 | 92.1367 | 1.0957 | 0.1092 | 1.2050 | 4.6259 | 308.0203 | 284.0151 | 40.5349 | 51.4626 | 4.4801 |
| 24/12/2019 | 92.1004 | 1.1107 | 0.1094 | 1.2201 | 4.5685 | 308.6050 | 280.0367 | 40.5448 | 51.4471 | 4.6094 |
| 25/12/2019 | 92.1071 | 1.0867 | 0.1101 | 1.1968 | 4.5886 | 310.6502 | 290.6611 | 40.5920 | 51.4979 | 4.7931 |
| 26/12/2019 | 92.1241 | 1.0860 | 0.1105 | 1.1966 | 4.6433 | 305.7556 | 257.7359 | 40.5320 | 51.4601 | 4.6275 |
| 27/12/2019 | 92.1625 | 1.0812 | 0.1106 | 1.1917 | 4.6392 | 306.1229 | 274.3509 | 40.5016 | 51.4514 | 4.6767 |
| 28/12/2019 | 92.1265 | 1.0815 | 0.1081 | 1.1896 | 4.6232 | 304.2125 | 261.1048 | 40.4742 | 51.4259 | 4.6991 |
| 29/12/2019 | 92.1881 | 1.0793 | 0.1115 | 1.1909 | 4.6247 | 307.4375 | 290.8288 | 40.5064 | 51.4423 | 4.6677 |
| 30/12/2019 | 92.0130 | 1.0865 | 0.1102 | 1.1967 | 4.6533 | 304.2848 | 287.3990 | 40.5168 | 51.4581 | 4.6812 |
| 31/12/2019 | 92.0657 | 1.0827 | 0.1084 | 1.1911 | 4.5930 | 304.2723 | 265.8148 | 40.5313 | 51.4757 | 4.6827 |
| Máximo | 92.3223 | 1.1107 | 0.1116 | 1.2201 | 4.8255 | 310.6502 | 435.2118 | 40.6756 | 51.5298 | 5.3242 |

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)



PERMISIONARIO: Gas Natural México

PUNTO DE MEDICIÓN: PEGN Nuevo Laredo

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/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulhídrico (mg/m ³) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/12/2019 | 91.9797 | 1.0338 | 0.0967 | 1.1305 | 4.4022 | 300.0526 | 246.0140 | 40.4241 | 51.3917 | 2.7115 |
| 02/12/2019 | 91.8445 | 1.0418 | 0.0971 | 1.1390 | 4.4346 | 301.0054 | 250.4497 | 40.4850 | 51.4216 | 2.2069 |
| 03/12/2019 | 91.8150 | 1.0389 | 0.0965 | 1.1354 | 4.3814 | 300.5499 | 262.7052 | 40.4553 | 51.4119 | 2.3747 |
| 04/12/2019 | 91.7278 | 1.0270 | 0.0950 | 1.1220 | 4.3644 | 303.4217 | 276.1040 | 40.4903 | 51.4193 | 2.6107 |
| 05/12/2019 | 91.9673 | 1.0368 | 0.0970 | 1.1338 | 4.3503 | 304.0701 | 277.5063 | 40.4605 | 51.4259 | 3.1094 |
| 06/12/2019 | 91.9415 | 1.0374 | 0.0981 | 1.1355 | 4.3467 | 301.4148 | 264.4734 | 40.4404 | 51.3927 | 3.1280 |
| 07/12/2019 | 91.9771 | 1.0395 | 0.0973 | 1.1368 | 4.3888 | 301.5545 | 239.6119 | 40.4512 | 51.4114 | 3.0345 |
| 08/12/2019 | 91.9906 | 1.0469 | 0.0964 | 1.1434 | 4.4054 | 302.6754 | 265.4642 | 40.4189 | 51.3874 | 3.6963 |
| 09/12/2019 | 91.8521 | 1.0362 | 0.0965 | 1.1327 | 4.4016 | 303.3601 | 260.3273 | 40.4387 | 51.3938 | 3.4051 |
| 10/12/2019 | 91.8721 | 1.0333 | 0.0969 | 1.1302 | 4.4116 | 300.1454 | 255.1904 | 40.4369 | 51.3820 | 3.1140 |
| 11/12/2019 | 91.7464 | 1.0431 | 0.0968 | 1.1399 | 4.3180 | 299.6415 | 259.4890 | 40.4397 | 51.3948 | 2.3627 |
| 12/12/2019 | 91.8409 | 1.0480 | 0.0965 | 1.1445 | 4.3026 | 299.0567 | 251.4559 | 40.4252 | 51.3907 | 2.5378 |
| 13/12/2019 | 92.0124 | 1.0308 | 0.0972 | 1.1281 | 4.3009 | 300.1126 | 255.2361 | 40.3795 | 51.3863 | 2.4808 |
| 14/12/2019 | 92.0432 | 1.0498 | 0.0966 | 1.1464 | 4.3058 | 300.8453 | 242.8129 | 40.4165 | 51.3836 | 2.8826 |
| 15/12/2019 | 92.0384 | 1.0520 | 0.0966 | 1.1486 | 4.4299 | 303.8010 | 260.4036 | 40.4437 | 51.3835 | 3.5013 |
| 16/12/2019 | 91.8876 | 1.0373 | 0.0966 | 1.1339 | 4.4064 | 299.2012 | 226.3046 | 40.4285 | 51.3890 | 2.2957 |
| 17/12/2019 | 91.7955 | 1.0520 | 0.0977 | 1.1497 | 4.4799 | 295.9656 | 259.4890 | 40.4360 | 51.3892 | 1.4072 |
| 18/12/2019 | 91.7034 | 1.0361 | 0.0971 | 1.1331 | 4.4183 | 297.0380 | 264.7935 | 40.4709 | 51.4121 | 1.3468 |
| 19/12/2019 | 91.5999 | 1.0405 | 0.0944 | 1.1349 | 4.4289 | 302.1028 | 249.1236 | 40.5581 | 51.4594 | 1.8355 |
| 20/12/2019 | 91.9028 | 1.0251 | 0.0979 | 1.1230 | 4.3046 | 300.6119 | 244.1543 | 40.3886 | 51.3668 | 3.2831 |
| 21/12/2019 | 92.0231 | 1.0384 | 0.0978 | 1.1362 | 4.3836 | 294.3540 | 222.3719 | 40.3479 | 51.3519 | 2.8786 |
| 22/12/2019 | 91.9604 | 1.0523 | 0.0988 | 1.1511 | 4.4155 | 294.8620 | 207.7537 | 40.3204 | 51.3319 | 2.8998 |
| 23/12/2019 | 91.9378 | 1.0486 | 0.0964 | 1.1450 | 4.4864 | 295.9647 | 212.0523 | 40.3615 | 51.3633 | 2.9987 |
| 24/12/2019 | 91.9533 | 1.0483 | 0.0972 | 1.1455 | 4.4787 | 299.4862 | 205.2691 | 40.4023 | 51.3774 | 2.9131 |
| 25/12/2019 | 91.9666 | 1.0421 | 0.0975 | 1.1396 | 4.5041 | 302.4706 | 236.0145 | 40.4275 | 51.3821 | 3.7493 |
| 26/12/2019 | 91.9260 | 1.0391 | 0.0978 | 1.1369 | 4.5089 | 302.7667 | 245.4957 | 40.4283 | 51.3868 | 3.2204 |
| 27/12/2019 | 91.9454 | 1.0300 | 0.0969 | 1.1269 | 4.4359 | 302.5863 | 244.8556 | 40.4297 | 51.3871 | 3.2943 |
| 28/12/2019 | 91.9595 | 1.0486 | 0.0975 | 1.1461 | 4.4829 | 299.0800 | 221.3505 | 40.4278 | 51.3843 | 3.4213 |
| 29/12/2019 | 91.9444 | 1.0371 | 0.0970 | 1.1341 | 4.4495 | 294.2627 | 184.9043 | 40.3276 | 51.3297 | 3.3120 |
| 30/12/2019 | 91.9168 | 1.0380 | 0.0968 | 1.1348 | 4.5665 | 297.8829 | 205.0709 | 40.4529 | 51.4056 | 3.3425 |
| 31/12/2019 | 91.9493 | 1.0297 | 0.0971 | 1.1268 | 4.4994 | 299.5328 | 205.0100 | 40.4598 | 51.4081 | 3.3586 |
| Mínimo | 91.5999 | 1.0251 | 0.0944 | 1.1220 | 4.3009 | 294.2627 | 184.9043 | 40.3204 | 51.3297 | 1.3468 |

Observaciones: