

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)



| | |
|---------------------------|-----------------------------------------|
| PERMISIONARIO: | Tarahumara Pipeline, S. de R.L. de C.V. |
| PUNTO DE MEDICIÓN: | El Encino |
| ZONA DE MEDICIÓN: | <u>RESTO DEL PAÍS</u> |

| 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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|------------------------------------------|--------------------------------------|-------------------------------------------|---------------------------------------|---------------------|
| 01/08/2022 | 97.0043 | 0.2400 | 0.9158 | 1.1558 | 1.8114 | 251.5104 | 17.1406 | 37.8788 | 50.1713 | 0.0271 | | |
| 02/08/2022 | 97.1680 | 0.2076 | 0.9151 | 1.1228 | 1.6803 | 250.9355 | 16.3261 | 37.8540 | 50.1803 | 0.0318 | | |
| 03/08/2022 | 97.0591 | 0.2402 | 0.9044 | 1.1446 | 1.7672 | 251.1968 | 16.7076 | 37.8708 | 50.1718 | 0.0381 | | |
| 04/08/2022 | 97.1885 | 0.2578 | 0.9021 | 1.1600 | 1.6086 | 252.9039 | 16.6256 | 37.8292 | 50.1364 | 0.0384 | | |
| 05/08/2022 | 97.7347 | 0.2977 | 0.9046 | 1.2023 | 1.0419 | 253.7866 | 17.9720 | 37.6375 | 49.9969 | 0.0355 | | |
| 06/08/2022 | 97.4161 | 0.3124 | 0.8864 | 1.1988 | 1.3573 | 253.5230 | 20.5232 | 37.7326 | 50.0496 | 0.0280 | | |
| 07/08/2022 | 97.1293 | 0.3357 | 0.8770 | 1.2127 | 1.6161 | 252.2638 | 23.5345 | 37.8096 | 50.0818 | 0.0427 | | |
| 08/08/2022 | 97.2038 | 0.3297 | 0.8785 | 1.2082 | 1.5444 | 251.8000 | 24.9182 | 37.7916 | 50.0749 | 0.0382 | | |
| 09/08/2022 | 97.3197 | 0.3358 | 0.8599 | 1.1957 | 1.4518 | 251.7772 | 25.1048 | 37.7638 | 50.0634 | 0.0296 | | |
| 10/08/2022 | 97.2378 | 0.3138 | 0.8694 | 1.1832 | 1.5469 | 251.2981 | 25.9334 | 37.7916 | 50.0864 | 0.0272 | | |
| 11/08/2022 | 97.2585 | 0.2950 | 0.8797 | 1.1747 | 1.5317 | 251.3607 | 23.6927 | 37.8014 | 50.1092 | 0.0400 | | |
| 12/08/2022 | 97.1525 | 0.2743 | 0.9158 | 1.1901 | 1.6221 | 251.3703 | 22.4358 | 37.8239 | 50.1183 | 0.0389 | | |
| 13/08/2022 | 97.3335 | 0.2737 | 0.9354 | 1.2091 | 1.4282 | 251.3119 | 21.0493 | 37.7499 | 50.0642 | 0.0299 | | |
| 14/08/2022 | 96.9980 | 0.2763 | 0.9091 | 1.1854 | 1.7612 | 252.2144 | 20.8762 | 37.8703 | 50.1436 | 0.0521 | | |
| 15/08/2022 | 97.3911 | 0.2726 | 0.8723 | 1.1449 | 1.4280 | 251.8913 | 20.9824 | 37.7777 | 50.1103 | 0.0336 | | |
| 16/08/2022 | 97.3715 | 0.2683 | 0.8874 | 1.1556 | 1.4408 | 250.9957 | 20.5106 | 37.7751 | 50.1049 | 0.0381 | | |
| 17/08/2022 | 97.2423 | 0.2666 | 0.8999 | 1.1665 | 1.5524 | 251.9640 | 18.6429 | 37.8070 | 50.1186 | 0.0315 | | |
| 18/08/2022 | 97.4217 | 0.2998 | 0.8844 | 1.1843 | 1.3593 | 251.7961 | 19.1387 | 37.7427 | 50.0653 | 0.0521 | | |
| 19/08/2022 | 97.5828 | 0.2840 | 0.8711 | 1.1551 | 1.2276 | 252.3898 | 20.7768 | 37.7162 | 50.0675 | 0.0328 | | |
| 20/08/2022 | 97.6176 | 0.2997 | 0.8386 | 1.1383 | 1.2107 | 252.6150 | 21.1695 | 37.7171 | 50.0720 | 0.0384 | | |
| 21/08/2022 | 97.6210 | 0.2829 | 0.8507 | 1.1336 | 1.2207 | 251.4788 | 20.1003 | 37.7165 | 50.0780 | 0.0331 | | |
| 22/08/2022 | 97.4116 | 0.2612 | 0.8948 | 1.1560 | 1.4056 | 250.5787 | 19.4345 | 37.7621 | 50.0988 | 0.0386 | | |
| 23/08/2022 | 97.3942 | 0.2813 | 0.8913 | 1.1726 | 1.4054 | 251.5396 | 17.2012 | 37.7564 | 50.0831 | 0.0420 | | |
| 24/08/2022 | 97.5494 | 0.2825 | 0.8559 | 1.1384 | 1.2903 | 251.5461 | 17.8013 | 37.7328 | 50.0852 | 0.0337 | | |
| 25/08/2022 | 97.5219 | 0.2760 | 0.8492 | 1.1252 | 1.3291 | 251.7137 | 18.5192 | 37.7501 | 50.1029 | 0.0364 | | |
| 26/08/2022 | 97.3439 | 0.2515 | 0.8700 | 1.1215 | 1.5089 | 252.2753 | 18.1086 | 37.8037 | 50.1414 | 0.0313 | | |
| 27/08/2022 | 97.2175 | 0.2810 | 0.8674 | 1.1484 | 1.5701 | 251.4069 | 16.7988 | 37.8368 | 50.1404 | 0.0426 | | |
| 28/08/2022 | 97.3149 | 0.2932 | 0.8527 | 1.1459 | 1.5127 | 251.0951 | 16.1482 | 37.7966 | 50.1158 | 0.0420 | | |
| 29/08/2022 | 97.2785 | 0.2815 | 0.8603 | 1.1417 | 1.5516 | 250.6012 | 16.4940 | 37.8106 | 50.1286 | 0.0378 | | |
| 30/08/2022 | 97.8100 | 0.3024 | 0.7824 | 1.0847 | 1.0891 | 251.5260 | 17.3093 | 37.6924 | 50.0823 | 0.0272 | | |
| 31/08/2022 | 97.6031 | 0.3205 | 0.7841 | 1.1047 | 1.2757 | 250.1889 | 19.3020 | 37.7384 | 50.0950 | 0.0291 | | |

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

| | | | | | | | | | | | | |
|-------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|--|--|
| Mínimo | 96.9980 | 0.2076 | 0.7824 | 1.0847 | 1.0419 | 250.1889 | 16.1482 | 37.6375 | 49.9969 | 0.0271 | | |
| Promedio | 97.3515 | 0.2837 | 0.8763 | 1.1600 | 1.4564 | 251.7050 | 19.7187 | 37.7786 | 50.1012 | 0.0361 | | |
| Máximo | 97.8100 | 0.3358 | 0.9354 | 1.2127 | 1.8114 | 253.7866 | 25.9334 | 37.8788 | 50.1803 | 0.0521 | | |
| Desv. Est. | 0.205229938 | 0.028676108 | 0.034022937 | 0.032048506 | 0.189584834 | 0.78989521 | 2.798020036 | 0.055929083 | 0.039368386 | 0.006463723 | | |

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL
(Registros máximos diarios)



PERMISIONARIO: Tarahumara Pipeline, S. de R.L. de C.V.
PUNTO DE MEDICIÓN: El Encino
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 Sulfhídrico (mg/m ³) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|------------------------------------------|--------------------------------------|-------------------------------------------|
| 01/08/2022 | 97.3329 | 0.2651 | 0.9327 | 1.1834 | 2.2099 | 253.1849 | 17.3888 | 37.9849 | 50.2207 | 0.0822 |
| 02/08/2022 | 97.3469 | 0.2603 | 0.9388 | 1.1637 | 1.8173 | 252.1025 | 17.0530 | 37.8993 | 50.2128 | 0.0613 |
| 03/08/2022 | 97.2980 | 0.2763 | 0.9332 | 1.1736 | 2.1043 | 251.6804 | 17.0008 | 37.9729 | 50.2434 | 0.0724 |
| 04/08/2022 | 97.5563 | 0.3556 | 0.9659 | 1.2090 | 2.1488 | 253.5898 | 17.1026 | 38.0149 | 50.2680 | 0.0850 |
| 05/08/2022 | 97.8346 | 0.3616 | 0.9825 | 1.2452 | 1.2953 | 254.8469 | 18.9978 | 37.7297 | 50.0719 | 0.0728 |
| 06/08/2022 | 97.7256 | 0.3691 | 0.9157 | 1.2456 | 1.7186 | 254.9039 | 22.2717 | 37.8515 | 50.1277 | 0.0830 |
| 07/08/2022 | 97.4078 | 0.4035 | 0.9132 | 1.2679 | 2.2712 | 253.9339 | 26.3855 | 38.0038 | 50.1598 | 0.0977 |
| 08/08/2022 | 97.4524 | 0.3651 | 0.9150 | 1.2580 | 2.1543 | 253.1246 | 26.5823 | 37.9706 | 50.1544 | 0.1053 |
| 09/08/2022 | 97.7437 | 0.3967 | 0.8801 | 1.2652 | 1.9167 | 253.0053 | 25.6716 | 37.8858 | 50.0926 | 0.1046 |
| 10/08/2022 | 97.5110 | 0.4269 | 0.9162 | 1.2454 | 1.9367 | 252.8784 | 26.7455 | 37.9236 | 50.1550 | 0.0547 |
| 11/08/2022 | 97.4722 | 0.3719 | 0.9195 | 1.2078 | 1.7785 | 252.7739 | 25.0378 | 37.8751 | 50.1488 | 0.0776 |
| 12/08/2022 | 97.3230 | 0.3264 | 0.9741 | 1.2130 | 1.9056 | 253.9780 | 22.9421 | 37.8909 | 50.1517 | 0.0796 |
| 13/08/2022 | 97.5912 | 0.3004 | 1.0697 | 1.3443 | 1.6499 | 252.5559 | 21.6093 | 37.8247 | 50.1104 | 0.0615 |
| 14/08/2022 | 97.5792 | 0.5110 | 0.9837 | 1.3631 | 3.2800 | 253.5896 | 21.5771 | 38.3959 | 50.4750 | 0.3109 |
| 15/08/2022 | 97.5408 | 0.3070 | 0.9049 | 1.1666 | 1.8592 | 253.2232 | 21.4157 | 37.9120 | 50.1877 | 0.0813 |
| 16/08/2022 | 97.5779 | 0.3053 | 0.9075 | 1.1859 | 1.5377 | 251.4376 | 21.3890 | 37.8065 | 50.1304 | 0.1117 |
| 17/08/2022 | 97.3934 | 0.2760 | 0.9153 | 1.1771 | 2.0320 | 253.0819 | 19.1201 | 37.9610 | 50.2050 | 0.1142 |
| 18/08/2022 | 97.5096 | 0.3217 | 0.9043 | 1.2143 | 1.5046 | 252.6022 | 20.0438 | 37.7964 | 50.1151 | 0.1127 |
| 19/08/2022 | 97.8828 | 0.2975 | 0.9125 | 1.1894 | 1.4107 | 253.8231 | 21.2586 | 37.7591 | 50.0860 | 0.0932 |
| 20/08/2022 | 97.8602 | 0.4636 | 0.8921 | 1.2458 | 1.4725 | 254.1120 | 22.1084 | 37.8114 | 50.1411 | 0.0839 |
| 21/08/2022 | 98.2584 | 0.3228 | 0.9056 | 1.1849 | 1.4875 | 253.0040 | 21.4889 | 37.7875 | 50.1052 | 0.0832 |
| 22/08/2022 | 97.6698 | 0.3736 | 0.9349 | 1.2666 | 1.4844 | 251.5718 | 20.6863 | 37.8500 | 50.3068 | 0.0895 |
| 23/08/2022 | 97.9750 | 0.3425 | 0.9711 | 1.2257 | 1.7282 | 253.0736 | 18.3466 | 37.8316 | 50.1081 | 0.1085 |
| 24/08/2022 | 97.9533 | 0.3034 | 0.9122 | 1.1789 | 1.6318 | 252.6287 | 18.7824 | 37.8198 | 50.1227 | 0.0777 |
| 25/08/2022 | 97.8635 | 0.3051 | 0.8864 | 1.1529 | 1.8418 | 252.7764 | 18.9649 | 37.9300 | 50.2118 | 0.1527 |
| 26/08/2022 | 97.5851 | 0.2641 | 0.8891 | 1.1385 | 1.7125 | 253.3197 | 18.8637 | 37.8632 | 50.1744 | 0.0707 |
| 27/08/2022 | 97.5407 | 0.2955 | 0.9067 | 1.1724 | 1.8722 | 253.7899 | 17.2783 | 37.9372 | 50.1877 | 0.1111 |
| 28/08/2022 | 97.6589 | 0.3159 | 0.8776 | 1.1645 | 1.7191 | 252.9607 | 16.5681 | 37.8491 | 50.1434 | 0.0954 |
| 29/08/2022 | 97.5840 | 0.3113 | 0.9058 | 1.1702 | 1.7864 | 252.2138 | 16.7674 | 37.8763 | 50.1581 | 0.0744 |
| 30/08/2022 | 98.2153 | 0.3584 | 0.8373 | 1.1256 | 1.4846 | 252.8115 | 17.8488 | 37.7953 | 50.1567 | 0.0662 |
| 31/08/2022 | 98.2154 | 0.3645 | 0.8521 | 1.2066 | 2.2931 | 251.0025 | 19.8923 | 38.0241 | 50.2545 | 0.0798 |
| Máximo | 98.2584 | 0.5110 | 1.0697 | 1.3631 | 3.2800 | 254.9039 | 26.7455 | 38.3959 | 50.4750 | 0.3109 |

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)



PERMISIONARIO: Tarahumara Pipeline, S. de R.L. de C.V.
PUNTO DE MEDICIÓN: El Encino
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 Sulfhídrico (mg/m ³) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|------------------------------------------|--------------------------------------|-------------------------------------------|
| 01/08/2022 | 96.5778 | 0.2219 | 0.9049 | 1.1358 | 1.4927 | 250.1099 | 16.8841 | 37.7876 | 50.1196 | 0.0095 |
| 02/08/2022 | 97.0321 | 0.1837 | 0.8904 | 1.1011 | 1.4808 | 249.8219 | 15.9238 | 37.7828 | 50.1166 | 0.0083 |
| 03/08/2022 | 96.7291 | 0.2097 | 0.8820 | 1.1234 | 1.5394 | 250.2995 | 16.4688 | 37.8041 | 50.1274 | 0.0147 |
| 04/08/2022 | 96.6224 | 0.1827 | 0.8533 | 1.1332 | 1.1759 | 252.0958 | 16.2317 | 37.7031 | 50.0173 | 0.0076 |
| 05/08/2022 | 97.4980 | 0.2420 | 0.8637 | 1.1661 | 0.9578 | 252.6592 | 17.0263 | 37.5990 | 49.9490 | 0.0079 |
| 06/08/2022 | 97.0422 | 0.2705 | 0.8613 | 1.1574 | 1.0551 | 252.4784 | 19.1871 | 37.6415 | 49.9773 | 0.0097 |
| 07/08/2022 | 96.3741 | 0.2760 | 0.8272 | 1.1783 | 1.3765 | 251.0314 | 22.1370 | 37.7414 | 50.0312 | 0.0120 |
| 08/08/2022 | 96.5178 | 0.3058 | 0.8485 | 1.1659 | 1.3439 | 251.0289 | 23.6305 | 37.7382 | 50.0354 | 0.0149 |
| 09/08/2022 | 96.7622 | 0.2913 | 0.8232 | 1.1260 | 1.1034 | 250.9806 | 24.1017 | 37.6882 | 50.0183 | 0.0079 |
| 10/08/2022 | 96.8027 | 0.2693 | 0.8185 | 1.1621 | 1.2589 | 248.5757 | 24.5983 | 37.6972 | 49.9840 | 0.0095 |
| 11/08/2022 | 96.9886 | 0.2574 | 0.8359 | 1.1591 | 1.3233 | 250.9460 | 22.4499 | 37.7498 | 50.0776 | 0.0114 |
| 12/08/2022 | 96.8424 | 0.2389 | 0.8703 | 1.1753 | 1.4694 | 250.1701 | 21.4647 | 37.7758 | 50.0987 | 0.0120 |
| 13/08/2022 | 97.1178 | 0.2395 | 0.9036 | 1.1681 | 1.1339 | 250.6730 | 20.2170 | 37.6126 | 49.9219 | 0.0098 |
| 14/08/2022 | 95.3881 | 0.2242 | 0.8521 | 1.1394 | 1.2448 | 250.0796 | 20.0550 | 37.7108 | 49.9205 | 0.0079 |
| 15/08/2022 | 96.9318 | 0.2432 | 0.8376 | 1.1177 | 1.2859 | 250.7517 | 20.3529 | 37.7248 | 50.0630 | 0.0135 |
| 16/08/2022 | 97.2517 | 0.2502 | 0.8434 | 1.1292 | 1.2442 | 250.7528 | 18.9376 | 37.7209 | 50.0678 | 0.0107 |
| 17/08/2022 | 96.7352 | 0.2522 | 0.8892 | 1.1524 | 1.4208 | 251.0231 | 18.0493 | 37.7674 | 50.0977 | 0.0079 |
| 18/08/2022 | 97.2947 | 0.2732 | 0.8657 | 1.1572 | 1.2829 | 251.0138 | 18.6123 | 37.7215 | 50.0468 | 0.0075 |
| 19/08/2022 | 97.3591 | 0.2734 | 0.8115 | 1.1086 | 0.9883 | 251.0323 | 20.1319 | 37.6559 | 50.0510 | 0.0073 |
| 20/08/2022 | 97.3482 | 0.2588 | 0.7822 | 1.1033 | 1.0194 | 251.3344 | 20.2977 | 37.6562 | 49.9471 | 0.0080 |
| 21/08/2022 | 97.3373 | 0.2555 | 0.7309 | 1.0531 | 0.6661 | 249.9858 | 19.1393 | 37.5734 | 50.0176 | 0.0119 |
| 22/08/2022 | 97.2278 | 0.0202 | 0.8747 | 0.9455 | 1.3100 | 249.8298 | 18.3758 | 37.7231 | 50.0067 | 0.0072 |
| 23/08/2022 | 97.0123 | 0.2545 | 0.7586 | 1.1011 | 0.9119 | 250.8821 | 5.9343 | 37.6342 | 50.0314 | 0.0042 |
| 24/08/2022 | 97.1593 | 0.2614 | 0.7896 | 1.0930 | 0.9276 | 250.9587 | 17.1753 | 37.6485 | 50.0516 | 0.0097 |
| 25/08/2022 | 96.9946 | 0.2504 | 0.8016 | 1.0997 | 1.0196 | 250.9965 | 18.0822 | 37.6627 | 50.0572 | 0.0081 |
| 26/08/2022 | 97.1334 | 0.2400 | 0.8419 | 1.1057 | 1.2769 | 251.7929 | 17.3472 | 37.7367 | 50.0990 | 0.0087 |
| 27/08/2022 | 96.8603 | 0.2553 | 0.8291 | 1.1231 | 1.2982 | 249.8636 | 16.3943 | 37.7514 | 50.0957 | 0.0107 |
| 28/08/2022 | 97.0958 | 0.2759 | 0.8239 | 1.1309 | 1.1870 | 249.8764 | 15.9238 | 37.7058 | 50.0668 | 0.0076 |
| 29/08/2022 | 97.0142 | 0.2552 | 0.8014 | 1.1061 | 1.2730 | 248.7473 | 16.0957 | 37.7422 | 50.0885 | 0.0120 |
| 30/08/2022 | 97.3657 | 0.2474 | 0.7374 | 1.0639 | 0.7006 | 250.3885 | 16.7662 | 37.5781 | 50.0093 | 0.0075 |
| 31/08/2022 | 96.5493 | 0.2627 | 0.7367 | 1.0324 | 0.7464 | 249.2023 | 18.1983 | 37.5980 | 50.0074 | 0.0087 |
| Mínimo | 95.3881 | 0.0202 | 0.7309 | 0.9455 | 0.6661 | 248.5757 | 5.9343 | 37.5734 | 49.9205 | 0.0042 |

Observaciones: