

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 Rocio (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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|---|--------------------------------------|--|---------------------------------------|---------------------|
| 01/10/2021 | 96.5530 | 0.6354 | 0.7256 | 1.3610 | 2.0461 | 249.9506 | 2.2764 | 37.8763 | 49.9792 | 0.0779 | | |
| 02/10/2021 | 96.6177 | 0.6593 | 0.7102 | 1.3695 | 1.9706 | 248.9536 | 2.5021 | 37.8536 | 49.9564 | 0.0778 | | |
| 03/10/2021 | 96.1016 | 0.6057 | 0.7195 | 1.3252 | 2.5186 | 247.8284 | 3.5248 | 38.0338 | 50.0934 | 0.0780 | | |
| 04/10/2021 | 95.5615 | 0.5459 | 0.7348 | 1.2807 | 3.0781 | 247.6963 | 3.7059 | 38.2264 | 50.2389 | 0.0778 | | |
| 05/10/2021 | 96.2195 | 0.5863 | 0.7419 | 1.3283 | 2.3854 | 248.2867 | 2.7276 | 38.0017 | 50.0781 | 0.0778 | | |
| 06/10/2021 | 95.8633 | 0.5705 | 0.7603 | 1.3308 | 2.7357 | 248.7921 | 2.3595 | 38.1024 | 50.1387 | 0.0778 | | |
| 07/10/2021 | 96.0455 | 0.5801 | 0.7542 | 1.3343 | 2.5603 | 244.5090 | 1.8951 | 38.0456 | 50.1022 | 0.0779 | | |
| 08/10/2021 | 96.5931 | 0.6072 | 0.7370 | 1.3442 | 2.0154 | 236.4816 | 1.9556 | 37.8789 | 49.9945 | 0.0776 | | |
| 09/10/2021 | 96.1097 | 0.5588 | 0.7666 | 1.3254 | 2.5115 | 234.0595 | 1.7714 | 38.0312 | 50.1024 | 0.0777 | | |
| 10/10/2021 | 95.9990 | 0.5476 | 0.7553 | 1.3029 | 2.6483 | 232.7026 | 1.8500 | 38.0766 | 50.1417 | 0.0779 | | |
| 11/10/2021 | 96.1467 | 0.5928 | 0.7449 | 1.3377 | 2.4570 | 233.7680 | 1.7301 | 38.0147 | 50.0793 | 0.0779 | | |
| 12/10/2021 | 96.1842 | 0.5976 | 0.7452 | 1.3428 | 2.4135 | 234.4965 | 1.8309 | 38.0010 | 50.0679 | 0.0790 | | |
| 13/10/2021 | 96.1842 | 0.5976 | 0.7452 | 1.3428 | 2.4135 | 233.0494 | 1.5081 | 38.0010 | 50.0679 | 0.0782 | | |
| 14/10/2021 | 96.6654 | 0.6310 | 0.7228 | 1.3538 | 1.9369 | 231.9638 | 1.0733 | 37.8510 | 49.9682 | 0.0775 | | |
| 15/10/2021 | 96.8164 | 0.6271 | 0.7152 | 1.3423 | 1.8022 | 229.8814 | 1.5680 | 37.8143 | 49.9532 | 0.0784 | | |
| 16/10/2021 | 96.2136 | 0.5738 | 0.7199 | 1.2937 | 2.4489 | 229.0528 | 1.4344 | 38.0195 | 50.1067 | 0.0781 | | |
| 17/10/2021 | 96.0961 | 0.5249 | 0.7407 | 1.2656 | 2.5884 | 228.0864 | 1.9395 | 38.0729 | 50.1622 | 0.0780 | | |
| 18/10/2021 | 96.3216 | 0.5734 | 0.7209 | 1.2942 | 2.2604 | 227.6246 | 13.1255 | 38.0227 | 50.1080 | 0.0781 | | |
| 19/10/2021 | 95.6092 | 0.5309 | 0.7377 | 1.2685 | 2.9932 | 229.4541 | 20.8352 | 38.2456 | 50.2582 | 0.0669 | | |
| 20/10/2021 | 95.7712 | 0.5606 | 0.7245 | 1.2851 | 2.7348 | 230.7831 | 20.4019 | 38.2250 | 50.2310 | 0.0511 | | |
| 21/10/2021 | 95.8284 | 0.5646 | 0.7277 | 1.2924 | 2.6755 | 235.3362 | 20.6355 | 38.2026 | 50.2138 | 0.0545 | | |
| 22/10/2021 | 96.2856 | 0.5781 | 0.7251 | 1.3032 | 2.3260 | 236.8377 | 19.7484 | 38.0107 | 50.0961 | 0.0748 | | |
| 23/10/2021 | 96.8038 | 0.6281 | 0.7174 | 1.3455 | 1.7904 | 236.7811 | 20.7425 | 37.8248 | 49.9575 | 0.0575 | | |
| 24/10/2021 | 96.8179 | 0.6429 | 0.7146 | 1.3574 | 1.7244 | 237.1396 | 18.8600 | 37.8299 | 49.9510 | 0.0542 | | |
| 25/10/2021 | 96.2003 | 0.5645 | 0.7332 | 1.2977 | 2.3960 | 236.9838 | 21.2041 | 38.0482 | 50.1234 | 0.0494 | | |
| 26/10/2021 | 95.6655 | 0.4809 | 0.7487 | 1.2296 | 2.9722 | 236.7972 | 21.9832 | 38.2493 | 50.2904 | 0.0482 | | |
| 27/10/2021 | 95.8918 | 0.5517 | 0.7107 | 1.2624 | 2.6348 | 234.9685 | 15.2850 | 38.2052 | 50.2323 | 0.0453 | | |
| 28/10/2021 | 96.1374 | 0.5580 | 0.7236 | 1.2817 | 2.5271 | 236.1591 | 14.9761 | 38.0526 | 50.1352 | 0.0468 | | |
| 29/10/2021 | 96.3699 | 0.5925 | 0.7197 | 1.3122 | 2.2718 | 234.7954 | 15.4261 | 37.9631 | 50.0613 | 0.0469 | | |
| 30/10/2021 | 96.2313 | 0.5440 | 0.7247 | 1.2687 | 2.4551 | 232.4029 | 17.5974 | 38.0307 | 50.1320 | 0.0590 | | |
| 31/10/2021 | 95.7071 | 0.4593 | 0.7489 | 1.2082 | 2.9887 | 230.4455 | 17.0359 | 38.2402 | 50.3002 | 0.0439 | | |

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

| | | | | | | | | | | | | |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|--|--|
| Mínimo | 95.5615 | 0.4593 | 0.7102 | 1.2082 | 1.7244 | 227.6246 | 1.0733 | 37.8143 | 49.9510 | 0.0439 | | |
| Promedio | 96.1810 | 0.5765 | 0.7328 | 1.3093 | 2.4284 | 236.6473 | 9.4680 | 38.0339 | 50.1071 | 0.0678 | | |
| Máximo | 96.8179 | 0.6593 | 0.7666 | 1.3695 | 3.0781 | 249.9506 | 21.9832 | 38.2493 | 50.3002 | 0.0790 | | |
| Desv. Est. | 0.353723118 | 0.044174088 | 0.015292137 | 0.039305036 | 0.360099833 | 6.830750847 | 8.47880753 | 0.133131943 | 0.101493252 | 0.013431332 | | |

Observaciones: Por causas ajenas al transportista, el punto EMRYC El Encino se encuentra fuera de operación desde el día 7, es por ello que como medida extraordinaria se toma la calidad de gas del punto EMRYC Chihuahua II a partir del día 8.

Los días 12 y 13, el computador operó con valores de tabla fija. No resultó algún usuario afectado por este evento.

**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: | <u>RESTO DEL PAÍS</u> |

| 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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/10/2021 | 96.8100 | 0.6733 | 0.7726 | 1.3998 | 2.3703 | 250.9015 | 4.7954 | 37.9823 | 50.0630 | 0.0789 |
| 02/10/2021 | 97.5227 | 0.7207 | 0.7339 | 1.4159 | 2.2020 | 250.1086 | 5.0692 | 37.9255 | 50.0158 | 0.0789 |
| 03/10/2021 | 96.6673 | 0.7348 | 0.7337 | 1.4295 | 3.1492 | 248.5068 | 5.9308 | 38.2413 | 50.2352 | 0.0786 |
| 04/10/2021 | 95.9873 | 0.5887 | 0.7504 | 1.3229 | 3.3489 | 248.4564 | 6.3535 | 38.3484 | 50.3258 | 0.0787 |
| 05/10/2021 | 97.1242 | 0.6614 | 0.7672 | 1.3618 | 3.2671 | 249.1184 | 5.8383 | 38.2882 | 50.2955 | 0.0790 |
| 06/10/2021 | 96.6095 | 0.6285 | 0.7843 | 1.3628 | 3.2707 | 249.4787 | 4.6713 | 38.2750 | 50.2521 | 0.0787 |
| 07/10/2021 | 96.8353 | 0.6390 | 0.8125 | 1.4128 | 2.9357 | 249.7633 | 4.1380 | 38.1616 | 50.1794 | 0.0786 |
| 08/10/2021 | 96.8968 | 0.6358 | 0.7848 | 1.4191 | 2.7477 | 237.6159 | 4.9997 | 38.0965 | 50.1290 | 0.0787 |
| 09/10/2021 | 97.2720 | 0.6271 | 0.8336 | 1.3913 | 3.4909 | 235.8271 | 4.4037 | 38.3278 | 50.2997 | 0.0789 |
| 10/10/2021 | 96.9712 | 0.6587 | 0.8247 | 1.3782 | 3.2748 | 233.8068 | 4.5155 | 38.2622 | 50.2715 | 0.0787 |
| 11/10/2021 | 96.1842 | 0.5976 | 0.7522 | 1.3428 | 2.8301 | 234.3539 | 4.5397 | 38.1303 | 50.1671 | 0.0789 |
| 12/10/2021 | 96.1842 | 0.5976 | 0.7452 | 1.3428 | 2.4135 | 235.5861 | 4.4422 | 38.0010 | 50.0679 | 0.0801 |
| 13/10/2021 | 96.1842 | 0.5976 | 0.7452 | 1.3428 | 2.4135 | 234.0492 | 3.8810 | 38.0010 | 50.0679 | 0.0797 |
| 14/10/2021 | 97.7194 | 0.6837 | 0.7452 | 1.3883 | 2.4162 | 233.4843 | 2.6439 | 38.0131 | 50.0684 | 0.0786 |
| 15/10/2021 | 97.7375 | 0.6965 | 0.7332 | 1.3931 | 2.2786 | 231.4602 | 3.3969 | 37.9665 | 50.0545 | 0.0790 |
| 16/10/2021 | 97.2275 | 0.6689 | 0.7384 | 1.3721 | 3.3374 | 230.6779 | 3.0827 | 38.3025 | 50.3128 | 0.0791 |
| 17/10/2021 | 96.4562 | 0.6016 | 0.7616 | 1.3318 | 2.9605 | 230.0084 | 4.6185 | 38.1905 | 50.2524 | 0.0790 |
| 18/10/2021 | 97.7792 | 0.6623 | 0.7394 | 1.3633 | 2.9172 | 229.1723 | 24.5040 | 38.3877 | 50.3488 | 0.0798 |
| 19/10/2021 | 96.1693 | 0.5675 | 0.7541 | 1.2930 | 3.7566 | 231.1719 | 43.9679 | 38.6695 | 50.5085 | 0.4567 |
| 20/10/2021 | 96.4237 | 0.6012 | 0.7436 | 1.3113 | 3.3207 | 232.2299 | 29.7730 | 38.5081 | 50.3913 | 0.5802 |
| 21/10/2021 | 96.5458 | 0.6071 | 0.7464 | 1.3286 | 3.3453 | 236.5082 | 30.2572 | 38.5509 | 50.4267 | 0.5101 |
| 22/10/2021 | 96.8572 | 0.6291 | 0.7450 | 1.3456 | 2.8889 | 237.9122 | 28.9772 | 38.3677 | 50.2872 | 0.7593 |
| 23/10/2021 | 97.3573 | 0.6703 | 0.7301 | 1.3729 | 2.5770 | 238.4950 | 30.3627 | 38.1965 | 50.1788 | 0.5917 |
| 24/10/2021 | 97.6835 | 0.6773 | 0.7417 | 1.3853 | 2.8351 | 237.9584 | 28.3551 | 38.2699 | 50.2287 | 0.5922 |
| 25/10/2021 | 96.7383 | 0.6677 | 0.7495 | 1.3750 | 2.9267 | 239.0328 | 32.2690 | 38.3848 | 50.2933 | 0.5333 |
| 26/10/2021 | 96.5564 | 0.6890 | 0.8327 | 1.3913 | 4.4182 | 238.3363 | 33.7738 | 38.7965 | 50.7285 | 0.4949 |
| 27/10/2021 | 96.7043 | 0.6080 | 0.8779 | 1.4448 | 3.5564 | 236.6039 | 22.0774 | 38.8601 | 50.5417 | 0.5079 |
| 28/10/2021 | 96.6824 | 0.6018 | 0.7347 | 1.3212 | 3.1421 | 237.2368 | 22.9657 | 38.2508 | 50.2773 | 0.4354 |
| 29/10/2021 | 97.0389 | 0.6513 | 0.7351 | 1.3577 | 3.1078 | 236.8007 | 23.6479 | 38.2125 | 50.2189 | 0.4582 |
| 30/10/2021 | 96.4592 | 0.6130 | 0.7351 | 1.3234 | 2.8189 | 234.5177 | 27.2794 | 38.1461 | 50.2098 | 0.5525 |
| 31/10/2021 | 97.0499 | 0.5963 | 0.7737 | 1.3023 | 4.0295 | 232.3800 | 25.0993 | 38.6148 | 50.5306 | 0.4623 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Máximo | 97.7792 | 0.7348 | 0.8779 | 1.4448 | 4.4182 | 250.9015 | 43.9679 | 38.8601 | 50.7285 | 0.7593 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

Observaciones: Por causas ajenas al transportista, el punto EMRyC El Encino se encuentra fuera de operación desde el día 7, es por ello que como medida extraordinaria se toma la calidad de gas del punto EMRyC Chihuahua II a partir del día 8.

Los días 12 y 13, el computador operó con valores de tabla fija. No resultó algún usuario afectado por este evento.

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: | <u>RESTO DEL PAÍS</u> |

| 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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/10/2021 | 96.2597 | 0.5903 | 0.7023 | 1.3284 | 1.7818 | 248.9452 | 0.1763 | 37.7935 | 49.9213 | 0.0771 |
| 02/10/2021 | 96.3666 | 0.6346 | 0.6892 | 1.3373 | 1.0442 | 247.6530 | 0.1801 | 37.5736 | 49.7661 | 0.0771 |
| 03/10/2021 | 95.5007 | 0.5585 | 0.6947 | 1.2800 | 1.9412 | 247.0889 | 0.3452 | 37.8512 | 49.9424 | 0.0773 |
| 04/10/2021 | 95.2928 | 0.5127 | 0.7187 | 1.2507 | 2.6539 | 246.9326 | 0.3185 | 38.0931 | 50.1483 | 0.0772 |
| 05/10/2021 | 95.3916 | 0.4989 | 0.6929 | 1.2592 | 1.4707 | 247.3655 | 0.1751 | 37.7219 | 49.8867 | 0.0771 |
| 06/10/2021 | 95.3153 | 0.5284 | 0.7072 | 1.3098 | 1.9988 | 247.6750 | 0.1459 | 37.8790 | 49.9937 | 0.0772 |
| 07/10/2021 | 95.6867 | 0.5381 | 0.7063 | 1.3103 | 1.7738 | 234.6982 | 0.1670 | 37.8115 | 49.9490 | 0.0772 |
| 08/10/2021 | 95.8555 | 0.5757 | 0.7136 | 1.3188 | 1.7228 | 234.7023 | 0.1689 | 37.7676 | 49.8894 | 0.0766 |
| 09/10/2021 | 95.1471 | 0.4757 | 0.7268 | 1.2883 | 1.3378 | 232.1351 | 0.1677 | 37.6756 | 49.8678 | 0.0768 |
| 10/10/2021 | 95.3763 | 0.4690 | 0.7184 | 1.2581 | 1.6175 | 231.7421 | 0.1757 | 37.7476 | 49.8928 | 0.0774 |
| 11/10/2021 | 95.8137 | 0.5471 | 0.7334 | 1.2901 | 2.4135 | 232.1804 | 0.1714 | 38.0010 | 50.0679 | 0.0763 |
| 12/10/2021 | 96.1842 | 0.5976 | 0.7452 | 1.3428 | 2.4135 | 233.8314 | 0.1925 | 38.0010 | 50.0679 | 0.0781 |
| 13/10/2021 | 96.1842 | 0.5976 | 0.7452 | 1.3428 | 2.4135 | 231.6126 | 0.1652 | 38.0010 | 50.0679 | 0.0768 |
| 14/10/2021 | 96.1682 | 0.5976 | 0.7017 | 1.3237 | 0.8712 | 230.0413 | 0.1726 | 37.5192 | 49.7480 | 0.0768 |
| 15/10/2021 | 96.3398 | 0.5993 | 0.6966 | 1.3141 | 0.8374 | 227.9502 | 0.1726 | 37.5207 | 49.7480 | 0.0771 |
| 16/10/2021 | 95.3747 | 0.5061 | 0.7032 | 1.2328 | 1.3743 | 227.2901 | 0.1720 | 37.6720 | 49.8474 | 0.0770 |
| 17/10/2021 | 95.7488 | 0.4857 | 0.7223 | 1.2355 | 2.2133 | 227.1660 | 0.1732 | 37.9614 | 50.0498 | 0.0770 |
| 18/10/2021 | 95.4792 | 0.5166 | 0.7010 | 1.2480 | 0.8331 | 225.8888 | 2.0293 | 37.5203 | 49.7652 | 0.0761 |
| 19/10/2021 | 94.5801 | 0.4894 | 0.7214 | 1.2397 | 2.5123 | 227.8503 | 10.7442 | 38.0357 | 50.1239 | 0.0066 |
| 20/10/2021 | 95.1395 | 0.5019 | 0.6978 | 1.2317 | 2.2096 | 229.0147 | 11.9131 | 37.9689 | 50.0776 | 0.0066 |
| 21/10/2021 | 95.0151 | 0.5237 | 0.7133 | 1.2701 | 2.1116 | 232.9597 | 10.8056 | 37.9146 | 50.0271 | 0.0070 |
| 22/10/2021 | 95.5197 | 0.5263 | 0.7056 | 1.2585 | 1.7658 | 235.2671 | 11.3463 | 37.7969 | 49.9414 | 0.0069 |
| 23/10/2021 | 95.8263 | 0.5734 | 0.7027 | 1.3035 | 1.2556 | 235.3481 | 11.0577 | 37.6405 | 49.8377 | 0.0071 |
| 24/10/2021 | 95.5779 | 0.5845 | 0.7006 | 1.3263 | 0.8891 | 236.2247 | 10.1116 | 37.5411 | 49.7633 | 0.0073 |
| 25/10/2021 | 95.4488 | 0.5136 | 0.7073 | 1.2631 | 1.6683 | 234.8986 | 10.9304 | 37.8974 | 49.9754 | 0.0073 |
| 26/10/2021 | 93.8662 | 0.0225 | 0.7023 | 0.8378 | 2.0395 | 235.3540 | 10.9472 | 37.9073 | 50.0137 | 0.0069 |
| 27/10/2021 | 94.4056 | 0.5187 | 0.6769 | 1.2235 | 2.0008 | 233.6851 | 7.9265 | 37.9111 | 50.0686 | 0.0072 |
| 28/10/2021 | 95.5213 | 0.5171 | 0.7121 | 1.2310 | 1.9626 | 234.9162 | 7.8036 | 37.8634 | 49.9976 | 0.0073 |
| 29/10/2021 | 95.5460 | 0.5375 | 0.6967 | 1.2671 | 1.5655 | 232.9871 | 8.0302 | 37.7394 | 49.8992 | 0.0072 |
| 30/10/2021 | 95.8731 | 0.5166 | 0.7105 | 1.2439 | 2.1766 | 230.0867 | 9.2301 | 37.9280 | 50.0311 | 0.0069 |
| 31/10/2021 | 94.5845 | 0.4096 | 0.7060 | 1.1697 | 1.5720 | 227.8883 | 9.0104 | 37.7883 | 49.9667 | 0.0070 |

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|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|
| Mínimo | 93.8662 | 0.0225 | 0.6769 | 0.8378 | 0.8331 | 225.8888 | 0.1459 | 37.5192 | 49.7480 | 0.0066 |
|---------------|---------|--------|--------|--------|--------|----------|--------|---------|---------|--------|

Observaciones: Por causas ajenas al transportista, el punto EMRyC El Encino se encuentra fuera de operación desde el día 7, es por ello que como medida extraordinaria se toma la calidad de gas del punto EMRyC Chihuahua II a partir del día 8.

Los días 12 y 13, el computador operó con valores de tabla fija. No resultó algún usuario afectado por este evento.