

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL
(Valores promedio diarios)

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| PERMISIONARIO: | ARGUELLES PIPELINE S. DE. R.L. DE C.V. |
| PUNTO DE MEDICIÓN: | CARRETERA FEDERAL REYNOSA NUEVO LAREDO KM. 20+100, EJIDO REYNOSA DIAS, CP 88790, REYNOSA TAMP. |
| 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/m3) | Poder Calorífico (MJ/m3) | Índice Wobbe (MJ/m3) | Acido Sulfhídrico (mg/m3) | Azufre total* (mg/m3) | Oxígeno* (% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|--------------------|--------------------------------|-------------------------|---------------------------------|--------------------------|---------------------|
| 01/09/2018 | 94.1822 | 1.0213 | 0.3325 | 0.67690 | 4.11675 | 262.5227 | 70.567 | 38.7247 | 50.3862 | -0.0171 | 0.235746017 | |
| 02/09/2018 | 93.8431 | 1.0360 | 0.3563 | 0.69615 | 4.39726 | 261.8514 | 70.5677 | 38.8022 | 50.4096 | -0.0184 | | |
| 03/09/2018 | 93.9350 | 0.9579 | 0.3373 | 0.64758 | 4.40100 | 261.8306 | 70.6104 | 38.8401 | 50.4936 | -0.0204 | | |
| 04/09/2018 | 93.6275 | 0.8900 | 0.3628 | 0.62640 | 4.74405 | 260.2657 | 70.6573 | 38.9528 | 50.5931 | -0.0222 | | |
| 05/09/2018 | 93.5826 | 0.9999 | 0.3062 | 0.65304 | 4.43210 | 263.0319 | 70.6615 | 39.0691 | 50.6051 | -0.0175 | | |
| 06/09/2018 | 93.1098 | 0.9658 | 0.3360 | 0.65090 | 5.22606 | 268.0901 | 70.5642 | 39.0697 | 50.6198 | -0.0112 | | |
| 07/09/2018 | 94.0546 | 0.9679 | 0.3583 | 0.66307 | 4.38001 | 258.4248 | 70.6265 | 38.7235 | 50.4107 | -0.0255 | | |
| 08/09/2018 | 95.1449 | 0.9551 | 0.3741 | 0.66460 | 3.28686 | 253.0121 | 70.5971 | 38.4094 | 50.2325 | -0.0273 | | |
| 09/09/2018 | 95.6073 | 0.9157 | 0.3852 | 0.65047 | 2.86773 | 263.7718 | 70.7217 | 38.2871 | 50.1845 | -0.0323 | | |
| 10/09/2018 | 95.5286 | 0.9603 | 0.3684 | 0.66436 | 2.88312 | 251.7531 | 70.8386 | 38.3088 | 50.1735 | -0.0337 | | |
| 11/09/2018 | 94.8107 | 0.9573 | 0.3606 | 0.65894 | 3.52660 | 253.0276 | 70.8414 | 38.5603 | 50.3227 | -0.0332 | | |
| 12/09/2018 | 94.6823 | 0.9400 | 0.3628 | 0.65140 | 3.70031 | 259.3868 | 70.8309 | 38.5997 | 50.3569 | -0.0336 | | |
| 13/09/2018 | 94.7130 | 0.9529 | 0.3671 | 0.65999 | 3.67188 | 261.5923 | 70.7238 | 38.5699 | 50.3290 | -0.0284 | | |
| 14/09/2018 | 94.5537 | 0.9602 | 0.3548 | 0.65752 | 3.86059 | 260.9719 | 70.7686 | 38.6050 | 50.3499 | 0.0255 | | |
| 15/09/2018 | 94.6417 | 0.9265 | 0.3536 | 0.64004 | 3.81950 | 258.6745 | 70.8078 | 38.6008 | 50.3714 | -0.0112 | | |
| 16/09/2018 | 94.8102 | 0.9533 | 0.3445 | 0.64890 | 3.58958 | 257.3664 | 70.7546 | 38.5592 | 50.3328 | -0.0273 | | |
| 17/09/2018 | 94.7247 | 0.9548 | 0.3547 | 0.65476 | 3.66659 | 258.6455 | 70.6944 | 38.5771 | 50.3374 | -0.0203 | | |
| 18/09/2018 | 95.5093 | 0.9474 | 0.3615 | 0.65446 | 2.91196 | 260.2954 | 70.658 | 38.3354 | 50.2007 | -0.0268 | | |
| 19/09/2018 | 95.5347 | 0.9425 | 0.4014 | 0.67195 | 2.83432 | 255.2210 | 70.7175 | 38.3134 | 50.1732 | -0.0715 | | |
| 20/09/2018 | 95.5639 | 0.9221 | 0.3862 | 0.65415 | 2.88350 | 256.6104 | 70.6748 | 38.3110 | 50.1932 | -0.0287 | | |
| 21/09/2018 | 95.5812 | 0.9572 | 0.3726 | 0.66490 | 2.81203 | 256.3072 | 70.6475 | 38.3022 | 50.1698 | -0.0295 | | |
| 22/09/2018 | 95.7148 | 0.9764 | 0.3516 | 0.66399 | 2.68927 | 255.9477 | 70.7686 | 38.2626 | 50.1433 | -0.0314 | | |
| 23/09/2018 | 95.0444 | 0.9868 | 0.3415 | 0.66418 | 3.35777 | 256.0671 | 70.7028 | 38.4527 | 50.2500 | -0.0252 | | |
| 24/09/2018 | 95.5592 | 0.9584 | 0.3498 | 0.65410 | 2.88808 | 255.2371 | 70.6657 | 38.3066 | 50.1821 | -0.0271 | | |
| 25/09/2018 | 95.6067 | 0.9558 | 0.3526 | 0.65421 | 2.84565 | 253.9367 | 70.6377 | 38.2917 | 50.1740 | -0.0308 | | |
| 26/09/2018 | 95.6517 | 0.9392 | 0.3581 | 0.64868 | 2.82482 | 254.2540 | 70.6671 | 38.2810 | 50.1770 | -0.0317 | | |
| 27/09/2018 | 95.6418 | 0.9234 | 0.3741 | 0.64875 | 2.81299 | 253.8816 | 70.8351 | 38.2919 | 50.1868 | -0.0338 | | |
| 28/09/2018 | 95.4401 | 0.9135 | 0.3905 | 0.65200 | 2.94672 | 253.9708 | 70.7406 | 38.3713 | 50.2316 | -0.0056 | | |
| 29/09/2018 | 95.4708 | 0.9086 | 0.3748 | 0.64172 | 2.97979 | 255.3619 | 70.7749 | 38.3577 | 50.2345 | 0.2092 | | |
| 30/09/2018 | 94.0411 | 0.8794 | 0.3392 | 0.60928 | 3.83033 | 254.0752 | 70.7805 | 39.0729 | 50.6719 | 0.3200 | | |

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

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|-------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|--|--|
| Mínimo | 93.1098 | 0.8794 | 0.3062 | 0.6093 | 2.6893 | 251.7531 | 70.5642 | 38.2626 | 50.1433 | -0.0715 | | |
| Promedio | 94.8637 | 0.9509 | 0.3590 | 0.6549 | 3.5062 | 257.5128 | 70.7035 | 38.5403 | 50.3166 | -0.0056 | | |
| Máximo | 95.7148 | 1.0360 | 0.4014 | 0.6962 | 5.2261 | 268.0901 | 70.8414 | 39.0729 | 50.6719 | 0.3200 | | |
| Desv. Est. | 0.749170796 | 0.033280192 | 0.019113085 | 0.014788338 | 0.684748552 | 3.76915994 | 0.082788327 | 0.257160349 | 0.150235331 | 0.07499974 | | |

Observaciones: INFORME MENSUAL DE VALORES PROMEDIO DIARIOS DEL MES DE SEPTIEMBRE 2018

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INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)



PERMISIONARIO: ARGUELLES PIPELINE S. DE. R.L. DE C.V.
PUNTO DE MEDICIÓN: CARRETERA FEDERAL REYNOSA NUEVO LAREDO KM. 20+100, EJIDO REYNOSA DIAS, CP 88790, REYNOSA TAMP.
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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|--|--------------------------------------|--|
| 01/09/2018 | 94.5619 | 1.2122 | 0.3479 | 0.7800 | 4.3325 | 264.4278 | 70.8526 | 38.8152 | 50.5151 | 0.0343 |
| 02/09/2018 | 94.0957 | 1.1920 | 0.3730 | 0.7825 | 4.7131 | 262.9278 | 70.8463 | 38.9266 | 50.5120 | 0.0218 |
| 03/09/2018 | 94.3247 | 1.0453 | 0.3561 | 0.7007 | 4.8929 | 263.3722 | 70.8575 | 39.0518 | 50.6442 | 0.0667 |
| 04/09/2018 | 94.8477 | 0.9166 | 0.3853 | 0.6509 | 6.3331 | 262.9278 | 70.8750 | 39.4836 | 50.9050 | 0.0202 |
| 05/09/2018 | 95.1814 | 1.2315 | 0.3773 | 0.8044 | 6.9290 | 290.8167 | 70.8834 | 40.6562 | 51.5665 | 0.0391 |
| 06/09/2018 | 94.3531 | 1.0420 | 0.3872 | 0.7146 | 6.7720 | 268.0901 | 70.7868 | 39.7169 | 51.0551 | 0.0215 |
| 07/09/2018 | 95.6851 | 1.0876 | 0.4162 | 0.7519 | 6.3811 | 268.0901 | 70.8953 | 39.4657 | 50.8589 | 0.0029 |
| 08/09/2018 | 95.3727 | 0.9838 | 0.3946 | 0.6892 | 3.5140 | 264.6107 | 70.8463 | 38.4769 | 50.2791 | -0.0052 |
| 09/09/2018 | 95.8168 | 0.9534 | 0.3999 | 0.6767 | 3.0537 | 258.5478 | 70.9527 | 38.3543 | 50.2292 | 0.0028 |
| 10/09/2018 | 95.6811 | 1.1007 | 0.4045 | 0.7526 | 3.0910 | 253.7997 | 70.9499 | 38.3826 | 50.2338 | -0.0250 |
| 11/09/2018 | 95.5794 | 1.1406 | 0.4038 | 0.7722 | 5.7964 | 259.2093 | 70.9275 | 39.3782 | 50.8720 | 0.0467 |
| 12/09/2018 | 94.8419 | 1.0882 | 0.4094 | 0.7488 | 4.1256 | 266.5380 | 70.8974 | 38.7474 | 50.5383 | -0.0188 |
| 13/09/2018 | 94.9610 | 1.0715 | 0.4129 | 0.7422 | 4.1294 | 264.7694 | 70.9065 | 38.7478 | 50.5389 | -0.0187 |
| 14/09/2018 | 94.7934 | 1.0396 | 0.3700 | 0.7048 | 4.1294 | 265.2169 | 70.8743 | 38.7478 | 50.5389 | 0.1951 |
| 15/09/2018 | 94.9261 | 0.9761 | 0.3716 | 0.6739 | 4.0577 | 259.8451 | 70.9247 | 38.6468 | 50.3997 | 0.1267 |
| 16/09/2018 | 94.9618 | 0.9758 | 0.3578 | 0.6668 | 3.8157 | 259.3182 | 70.9114 | 38.6557 | 50.3951 | -0.0062 |
| 17/09/2018 | 95.3057 | 1.0057 | 0.3664 | 0.6861 | 5.8390 | 260.3212 | 70.9072 | 39.1725 | 50.7013 | 0.0453 |
| 18/09/2018 | 95.7416 | 1.0697 | 0.4116 | 0.7406 | 3.1739 | 265.6385 | 70.9016 | 38.3871 | 50.2495 | -0.0062 |
| 19/09/2018 | 95.7178 | 0.9920 | 0.4401 | 0.7160 | 3.1600 | 260.1496 | 70.8729 | 38.3722 | 50.2185 | 0.4381 |
| 20/09/2018 | 95.7079 | 0.9560 | 0.4193 | 0.6877 | 3.0306 | 258.9851 | 70.8708 | 38.3502 | 50.2396 | -0.0057 |
| 21/09/2018 | 95.7482 | 0.9982 | 0.4074 | 0.7028 | 3.0615 | 257.7778 | 70.8904 | 38.3890 | 50.2297 | -0.0250 |
| 22/09/2018 | 95.8745 | 1.0034 | 0.3736 | 0.6885 | 2.9053 | 257.1608 | 70.9716 | 38.3092 | 50.1791 | -0.0277 |
| 23/09/2018 | 95.8550 | 1.0674 | 0.3936 | 0.7305 | 4.3396 | 258.5486 | 70.9079 | 38.7332 | 50.4177 | 0.0398 |
| 24/09/2018 | 95.8298 | 0.9946 | 0.3655 | 0.6801 | 3.7212 | 260.5943 | 70.8764 | 38.5432 | 50.3002 | 0.0367 |
| 25/09/2018 | 95.7935 | 0.9737 | 0.3810 | 0.6774 | 2.9262 | 256.1683 | 70.8645 | 38.3312 | 50.2116 | -0.0214 |
| 26/09/2018 | 95.8137 | 0.9685 | 0.3760 | 0.6723 | 3.0669 | 255.5743 | 70.9828 | 38.3614 | 50.2386 | -0.0150 |
| 27/09/2018 | 95.7771 | 0.9456 | 0.3907 | 0.6682 | 2.9543 | 256.3204 | 70.9695 | 38.3498 | 50.2397 | -0.0314 |
| 28/09/2018 | 95.7513 | 0.9761 | 0.4254 | 0.7008 | 3.1254 | 255.2312 | 70.8995 | 38.4430 | 50.3037 | 0.0595 |
| 29/09/2018 | 95.6087 | 0.9284 | 0.3841 | 0.6563 | 3.1184 | 256.7042 | 70.8953 | 38.3968 | 50.2621 | 0.5104 |
| 30/09/2018 | 95.6336 | 0.9303 | 0.4161 | 0.6732 | 6.9073 | 255.8134 | 70.9254 | 41.9002 | 52.3411 | 0.5178 |
| Máximo | 95.8745 | 1.2315 | 0.4401 | 0.8044 | 6.9290 | 290.8167 | 70.7532 | 41.9002 | 52.3411 | 0.5178 |

Observaciones:

INFORME MENSUAL DE REGISTROS MAXIMOS DIARIOS DEL MES DE SEPTIEMBRE 2018

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



PERMISIONARIO: ARGUELLES PIPELINE S. DE. R.L. DE C.V.
PUNTO DE MEDICIÓN: CARRETERA FEDERAL REYNOSA NUEVO LAREDO KM. 20+100, EJIDO REYNOSA DIAS, CP 88790, REYNOSA TAMP.
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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|-----------------------------|---------------------------------|--|--------------------------------------|--|
| 01/09/2018 | 93.8510 | 0.8871 | 0.3148 | 0.6010 | 3.8070 | 260.8167 | 70.1071 | 38.6460 | 50.2193 | -0.0287 |
| 02/09/2018 | 93.4966 | 0.9127 | 0.3396 | 0.6261 | 4.1482 | 260.3167 | 70.0315 | 38.6788 | 50.2353 | -0.0292 |
| 03/09/2018 | 93.3922 | 0.8961 | 0.3246 | 0.6104 | 4.0797 | 260.6500 | 70.1729 | 38.7448 | 50.4103 | -0.0288 |
| 04/09/2018 | 91.9375 | 0.8384 | 0.3331 | 0.5858 | 3.6275 | 255.4278 | 70.2065 | 38.5693 | 50.3730 | -0.0295 |
| 05/09/2018 | 90.4194 | 0.8414 | 0.2347 | 0.5380 | 3.1943 | 250.9833 | 70.3171 | 38.4273 | 50.1124 | -0.0299 |
| 06/09/2018 | 91.6665 | 0.8024 | 0.2902 | 0.5463 | 4.1771 | 268.0901 | 70.4578 | 38.6505 | 50.3265 | -0.0282 |
| 07/09/2018 | 91.9482 | 0.8952 | 0.3073 | 0.6013 | 2.7810 | 251.5301 | 70.2275 | 38.2366 | 50.1260 | -0.0295 |
| 08/09/2018 | 94.8930 | 0.9146 | 0.3535 | 0.6341 | 3.0978 | 248.4657 | 70.1498 | 38.3379 | 50.1968 | -0.0328 |
| 09/09/2018 | 95.4137 | 0.8996 | 0.3692 | 0.6344 | 2.6858 | 251.5347 | 70.2317 | 38.2116 | 50.1438 | -0.0398 |
| 10/09/2018 | 95.3678 | 0.9062 | 0.3109 | 0.6086 | 2.7001 | 249.8683 | 70.6503 | 38.2567 | 50.0931 | -0.0366 |
| 11/09/2018 | 92.4717 | 0.8318 | 0.3156 | 0.5737 | 2.8077 | 250.4581 | 70.7007 | 38.2779 | 50.0675 | -0.0366 |
| 12/09/2018 | 94.4059 | 0.7997 | 0.3044 | 0.5521 | 3.5411 | 255.5769 | 70.7532 | 38.5499 | 50.2634 | -0.0355 |
| 13/09/2018 | 94.4041 | 0.7982 | 0.3046 | 0.5514 | 3.3713 | 257.5198 | 70.3871 | 38.4791 | 50.2468 | -0.0323 |
| 14/09/2018 | 94.4041 | 0.7982 | 0.3422 | 0.5702 | 3.5687 | 258.0483 | 70.6629 | 38.4881 | 50.2329 | -0.0330 |
| 15/09/2018 | 94.4033 | 0.8801 | 0.3444 | 0.6123 | 3.5253 | 257.7468 | 70.4375 | 38.5525 | 50.3389 | -0.0318 |
| 16/09/2018 | 94.5539 | 0.9054 | 0.3290 | 0.6172 | 3.4843 | 256.2676 | 70.5068 | 38.5153 | 50.2968 | -0.0321 |
| 17/09/2018 | 92.6311 | 0.9013 | 0.3372 | 0.6192 | 3.0680 | 257.4565 | 70.3507 | 38.4326 | 50.2581 | -0.0320 |
| 18/09/2018 | 95.2966 | 0.8978 | 0.2743 | 0.5861 | 2.6266 | 254.7512 | 70.3248 | 38.2537 | 50.1086 | -0.0323 |
| 19/09/2018 | 95.2882 | 0.8790 | 0.3572 | 0.6181 | 2.6195 | 253.1217 | 70.5187 | 38.2463 | 50.1086 | -5.0036 |
| 20/09/2018 | 95.4064 | 0.8843 | 0.3636 | 0.6239 | 2.7271 | 253.6743 | 70.3500 | 38.2548 | 50.1513 | -0.0323 |
| 21/09/2018 | 95.3366 | 0.9139 | 0.3414 | 0.6277 | 2.6522 | 254.9496 | 70.3038 | 38.2287 | 50.1249 | -0.0325 |
| 22/09/2018 | 95.5300 | 0.9221 | 0.3171 | 0.6196 | 2.5149 | 253.7798 | 70.4767 | 38.2302 | 50.1133 | -0.0350 |
| 23/09/2018 | 94.0817 | 0.8945 | 0.2600 | 0.5773 | 2.5446 | 254.2794 | 70.2212 | 38.2444 | 50.1226 | -0.0338 |
| 24/09/2018 | 94.6866 | 0.9072 | 0.3338 | 0.6205 | 2.6221 | 252.1681 | 70.3031 | 38.2265 | 50.1389 | -0.0341 |
| 25/09/2018 | 95.5236 | 0.9296 | 0.3390 | 0.6343 | 2.6534 | 252.2736 | 70.2639 | 38.2347 | 50.1374 | -0.0341 |
| 26/09/2018 | 95.4124 | 0.8979 | 0.3428 | 0.6204 | 2.6426 | 252.4175 | 70.2758 | 38.2235 | 50.1250 | -0.0370 |
| 27/09/2018 | 95.5129 | 0.8856 | 0.3498 | 0.6177 | 2.6649 | 251.9177 | 70.6482 | 38.2451 | 50.1547 | -0.0363 |
| 28/09/2018 | 95.2928 | 0.8633 | 0.3462 | 0.6047 | 2.6054 | 252.7365 | 70.4277 | 38.2790 | 50.1551 | -0.0348 |
| 29/09/2018 | 95.3428 | 0.8949 | 0.3664 | 0.6306 | 2.8336 | 254.4950 | 70.5271 | 38.3182 | 50.2089 | 0.0060 |
| 30/09/2018 | 88.4040 | 0.7964 | 0.2373 | 0.5169 | 2.8309 | 252.8196 | 70.5026 | 38.3133 | 50.2066 | -0.0320 |
| Mínimo | 88.4040 | 0.7964 | 0.2347 | 0.5169 | 2.5149 | 248.4657 | 70.0315 | 38.2116 | 50.0675 | -5.0036 |

Observaciones:

INFORME MENSUAL DE REGISTROS MINIMOS DIARIOS DEL MES DE SEPTIEMBRE 2018