

Anexo 1.

Reporte de las Especificaciones de la Calidad del Gas Natural
Punto de Inyección
"Energy Transfer - San Isidro "

Permisionario G/13491/TRA/2016
Diciembre 2022

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL
(Valores promedio diarios)
PERMISIONARIO:
GASODUCTO DE AGUAPRIETA, S. DE R.L. DE C.V.
PUNTO DE MEDICIÓN:
INYECCIÓN / ENERGY TRANSFER - SAN ISIDRO
ZONA DE MEDICIÓN:
RESTO DEL PAÍS
PERMISO:
G/13491/TRA/2016

| 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 Sulhídrico (mg/m ³) | Azufre total* (mg/m3) | Oxígeno* (% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|--------------------------|---------------------|
| 12/1/2022 | 95.4377 | 0.0627 | 1.4535 | 1.5162 | 3.0299 | 255.26 | 2.4017 | 38.1113 | 50.2316 | 0.0325 | Menor a 10.8 | N.D. |
| 12/2/2022 | 95.5254 | 0.0618 | 1.4017 | 1.4635 | 2.8791 | 255.47 | 2.2672 | 38.1666 | 50.2132 | 0.0397 | | |
| 12/3/2022 | 95.1913 | 0.0690 | 1.3681 | 1.4371 | 3.3614 | 255.33 | 2.3265 | 38.3126 | 50.2217 | 0.0025 | | |
| 12/4/2022 | 95.3550 | 0.0733 | 1.3328 | 1.4062 | 3.1896 | 255.34 | 2.2972 | 38.3188 | 50.2211 | 0.0217 | | |
| 12/5/2022 | 94.9904 | 0.0704 | 1.3806 | 1.4509 | 3.4617 | 255.20 | 2.4573 | 38.2236 | 50.2183 | 0.0473 | | |
| 12/6/2022 | 95.1767 | 0.0661 | 1.3526 | 1.4187 | 3.3721 | 255.39 | 2.4410 | 38.2454 | 50.2280 | 0.0507 | | |
| 12/7/2022 | 95.1481 | 0.0742 | 1.3360 | 1.4102 | 3.4484 | 255.29 | 2.3631 | 38.2795 | 50.2284 | 0.0444 | | |
| 12/8/2022 | 95.0844 | 0.0841 | 1.3334 | 1.4175 | 3.3542 | 255.33 | 2.9360 | 38.3775 | 50.2455 | 0.0018 | | |
| 12/9/2022 | 94.9331 | 0.0819 | 1.3631 | 1.4450 | 3.5933 | 255.39 | 1.9270 | 38.2648 | 50.2418 | 0.0164 | | |
| 12/10/2022 | 94.9683 | 0.0811 | 1.3615 | 1.4427 | 3.4669 | 255.24 | 1.6059 | 38.2685 | 50.2182 | 0.0180 | | |
| 12/11/2022 | 95.1181 | 0.0797 | 1.3475 | 1.4271 | 3.3826 | 255.30 | 1.4403 | 38.2794 | 50.2180 | 0.0220 | | |
| 12/12/2022 | 95.5123 | 0.0686 | 1.3514 | 1.4199 | 3.0342 | 255.38 | 1.3743 | 38.1838 | 50.2231 | 0.0045 | | |
| 12/13/2022 | 95.3190 | 0.0737 | 1.3434 | 1.4171 | 3.1794 | 255.31 | 0.9321 | 38.3332 | 50.2275 | 0.0135 | | |
| 12/14/2022 | 95.5356 | 0.0730 | 1.3324 | 1.4054 | 3.0448 | 255.25 | 0.9013 | 38.1773 | 50.2154 | 0.0112 | | |
| 12/15/2022 | 95.5545 | 0.0719 | 1.3438 | 1.4157 | 2.9025 | 255.30 | 0.8645 | 38.2136 | 50.2162 | 0.6818 | | |
| 12/16/2022 | 95.7301 | 0.0703 | 1.3363 | 1.4066 | 2.8426 | 255.28 | 1.1303 | 38.0630 | 50.2220 | 0.0099 | | |
| 12/17/2022 | 95.7246 | 0.0654 | 1.3777 | 1.4432 | 2.8277 | 255.72 | 0.8673 | 38.0674 | 50.2180 | 0.0077 | | |
| 12/18/2022 | 95.5792 | 0.0647 | 1.3668 | 1.4316 | 2.9439 | 255.37 | 1.0063 | 38.1615 | 50.2160 | 0.0170 | | |
| 12/19/2022 | 95.2136 | 0.0652 | 1.3595 | 1.4247 | 3.3237 | 255.26 | 0.8288 | 38.2934 | 50.2066 | 0.0025 | | |
| 12/20/2022 | 95.5084 | 0.0685 | 1.3639 | 1.4324 | 3.0096 | 255.32 | 0.8944 | 38.1635 | 50.2169 | 0.0127 | | |
| 12/21/2022 | 95.4304 | 0.0610 | 1.3782 | 1.4391 | 3.0522 | 255.27 | 0.9991 | 38.2129 | 50.2128 | 0.0293 | | |
| 12/22/2022 | 95.4101 | 0.0570 | 1.3924 | 1.4494 | 3.0570 | 255.18 | 1.4988 | 38.1892 | 50.2231 | 0.0112 | | |
| 12/23/2022 | 95.9454 | 0.0412 | 1.4263 | 1.4675 | 2.5376 | 255.33 | 0.6032 | 37.9936 | 50.1742 | 0.0365 | | |
| 12/24/2022 | 95.2210 | 0.0346 | 1.4618 | 1.4964 | 3.1918 | 255.43 | 1.4976 | 38.1673 | 50.2099 | 0.0121 | | |
| 12/25/2022 | 91.8227 | 0.0400 | 1.3461 | 1.3861 | 5.9610 | 255.50 | 1.8730 | 39.4555 | 50.9532 | 0.0025 | | |
| 12/26/2022 | 91.6279 | 0.0530 | 1.3294 | 1.3824 | 6.0527 | 254.30 | 2.4915 | 39.5530 | 51.0523 | 0.0010 | | |
| 12/27/2022 | 93.8117 | 0.0442 | 1.3971 | 1.4413 | 4.2212 | 255.31 | 3.4654 | 38.7430 | 50.6065 | 0.0229 | | |
| 12/28/2022 | 94.8528 | 0.0467 | 1.4141 | 1.4608 | 3.4506 | 255.30 | 4.0500 | 38.3808 | 50.3749 | 0.0254 | | |
| 12/29/2022 | 95.4271 | 0.0546 | 1.4251 | 1.4798 | 2.9193 | 255.22 | 4.3745 | 38.1756 | 50.2100 | 0.0397 | | |
| 12/30/2022 | 96.1825 | 0.0505 | 1.4632 | 1.5138 | 2.2107 | 255.41 | 4.0571 | 37.9446 | 50.0619 | 0.0466 | | |
| 12/31/2022 | 96.5572 | 0.0502 | 1.4386 | 1.4888 | 1.9473 | 255.38 | 4.0569 | 37.7678 | 49.9517 | 0.0377 | | |

* 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 | 91.6279 | 0.0346 | 1.3294 | 1.3824 | 1.9473 | 254.2986 | 0.6032 | 37.7678 | 49.9517 | 0.0010 | | |
| Promedio | 95.1256 | 0.0632 | 1.3767 | 1.4399 | 3.2984 | 255.3015 | 2.0074 | 38.2932 | 50.2735 | 0.0427 | | |
| Máximo | 96.5572 | 0.0841 | 1.4632 | 1.5162 | 6.0527 | 255.7152 | 4.3745 | 39.5530 | 51.0523 | 0.6818 | | |
| Desv. Est. | 1.0178 | 0.0131 | 0.0406 | 0.0337 | 0.8327 | 0.2123 | 1.0974 | 0.3615 | 0.2173 | 0.1196 | | |

Observaciones:

Se presento gas fuera de especificación por parámetro de temperatura promedio los días del 1 al 31 de diciembre de 2022.

| INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL (Registros máximos diarios) | | | | |
|---|--|--|---|--|
| PERMISIONARIO: | GASODUCTO DE AGUAPRIETA, S. DE R.L. DE C.V. | | | |
| PUNTO DE MEDICIÓN: | INYECCIÓN / ENERGY TRANSFER - SAN ISIDRO | | | |
| ZONA DE MEDICIÓN: | RESTO DEL PAÍS | | | |
| PERMISO: | G/13491/TRA/2016 | | | |
| FECHA: (dd/mm/aa) | Temperatura de Rocío (K) | Humedad (mg/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) |
| 12/1/2022 | 255.29 | 3.4552 | 50.2375 | 0.1322 |
| 12/2/2022 | 255.61 | 2.5927 | 50.2757 | 0.0568 |
| 12/3/2022 | 255.52 | 2.5604 | 50.4258 | 0.0360 |
| 12/4/2022 | 255.52 | 2.5752 | 50.3644 | 0.1109 |
| 12/5/2022 | 255.30 | 3.1038 | 50.2305 | 0.0808 |
| 12/6/2022 | 255.50 | 3.3368 | 50.3963 | 0.0573 |
| 12/7/2022 | 255.48 | 3.1909 | 50.2982 | 0.0825 |
| 12/8/2022 | 255.42 | 3.5534 | 50.3658 | 0.0676 |
| 12/9/2022 | 255.41 | 2.8078 | 50.2790 | 0.0903 |
| 12/10/2022 | 255.36 | 1.7032 | 50.3511 | 0.0326 |
| 12/11/2022 | 255.42 | 2.3883 | 50.2537 | 0.0871 |
| 12/12/2022 | 255.52 | 2.2656 | 50.2849 | 0.1055 |
| 12/13/2022 | 255.51 | 1.6989 | 50.3266 | 0.0195 |
| 12/14/2022 | 255.42 | 0.9760 | 50.2194 | 0.0859 |
| 12/15/2022 | 255.32 | 1.1628 | 50.2611 | 0.7141 |
| 12/16/2022 | 255.38 | 1.4732 | 50.2700 | 0.1007 |
| 12/17/2022 | 255.83 | 1.3737 | 50.3852 | 0.0583 |
| 12/18/2022 | 255.39 | 1.6495 | 50.3289 | 0.1150 |
| 12/19/2022 | 255.32 | 1.7711 | 50.3960 | 0.1052 |
| 12/20/2022 | 255.34 | 1.1009 | 50.3200 | 0.0367 |
| 12/21/2022 | 255.31 | 1.8626 | 50.3350 | 0.1041 |
| 12/22/2022 | 255.31 | 2.3992 | 50.3387 | 0.0284 |
| 12/23/2022 | 255.49 | 1.6350 | 50.2318 | 0.1064 |
| 12/24/2022 | 255.51 | 2.2171 | 50.3774 | 0.1162 |
| 12/25/2022 | 255.59 | 2.3513 | 51.0934 | 0.0210 |
| 12/26/2022 | 254.46 | 2.6471 | 51.2611 | 0.0060 |
| 12/27/2022 | 255.51 | 3.8519 | 50.6872 | 0.0913 |
| 12/28/2022 | 255.43 | 4.3552 | 50.4814 | 0.1401 |
| 12/29/2022 | 255.28 | 5.0371 | 50.2427 | 0.0800 |
| 12/30/2022 | 255.56 | 4.6926 | 50.1101 | 0.0765 |
| 12/31/2022 | 255.60 | 4.0646 | 50.1376 | 0.1042 |
| Máximo | 255.8347 | 5.0371 | 51.2611 | 0.7141 |
| Observaciones: | | | | |

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

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|-----------------------------|--|---------------------------------------|--|---|
| PERMISIONARIO: | GASODUCTO DE AGUAPRIETA, S. DE R.L. DE C.V. | | | |
| PUNTO DE MEDICIÓN: | INYECCIÓN / ENERGY TRANSFER - SAN ISIDRO | | | |
| ZONA DE MEDICIÓN: | RESTO DEL PAÍS | | | |
| PERMISO: | G/13491/TRA/2016 | | | |
| FECHA: (dd/mm/aa) | Temperatura de Rocío (K) | Humedad (mg/m³) | Índice Wobbe (MJ/m³) | Acido Sulfhídrico (mg/m³) |
| 12/1/2022 | 255.17 | 1.4657 | 50.0318 | 0.0252 |
| 12/2/2022 | 255.35 | 2.1603 | 50.0711 | 0.0397 |
| 12/3/2022 | 255.33 | 1.7763 | 50.1645 | 0.0023 |
| 12/4/2022 | 255.17 | 1.6377 | 50.1200 | 0.0169 |
| 12/5/2022 | 255.08 | 2.1439 | 50.0652 | 0.0113 |
| 12/6/2022 | 255.25 | 2.3385 | 50.2177 | 0.0311 |
| 12/7/2022 | 255.09 | 2.3327 | 50.1497 | 0.0147 |
| 12/8/2022 | 255.23 | 2.4159 | 50.2387 | 0.0011 |
| 12/9/2022 | 255.31 | 1.5464 | 50.1252 | 0.0093 |
| 12/10/2022 | 255.03 | 1.6038 | 50.0701 | 0.0121 |
| 12/11/2022 | 255.21 | 1.1643 | 50.1401 | 0.0212 |
| 12/12/2022 | 255.22 | 0.9712 | 50.1891 | 0.0039 |
| 12/13/2022 | 255.21 | 0.4645 | 50.1263 | 0.0083 |
| 12/14/2022 | 255.14 | 0.7303 | 50.1629 | 0.0043 |
| 12/15/2022 | 255.20 | 0.6221 | 50.0281 | 0.2743 |
| 12/16/2022 | 255.27 | 0.2768 | 50.1714 | 0.0058 |
| 12/17/2022 | 255.63 | 0.6894 | 50.1387 | 0.0065 |
| 12/18/2022 | 255.24 | 0.2127 | 50.0118 | 0.0004 |
| 12/19/2022 | 255.18 | 0.6259 | 50.1697 | 0.0024 |
| 12/20/2022 | 255.31 | 0.6715 | 50.2100 | 0.0042 |
| 12/21/2022 | 255.22 | 0.4617 | 50.1523 | 0.0160 |
| 12/22/2022 | 255.07 | 0.5697 | 50.1645 | 0.0103 |
| 12/23/2022 | 255.20 | 0.2055 | 50.0984 | 0.0003 |
| 12/24/2022 | 255.28 | 0.9461 | 50.1920 | 0.0067 |
| 12/25/2022 | 255.34 | 0.9310 | 50.9425 | 0.0017 |
| 12/26/2022 | 254.23 | 2.4354 | 50.9930 | 0.0004 |
| 12/27/2022 | 255.22 | 2.4569 | 50.5937 | 0.0112 |
| 12/28/2022 | 255.17 | 3.8906 | 50.1688 | 0.0033 |
| 12/29/2022 | 255.04 | 3.7494 | 50.1742 | 0.0017 |
| 12/30/2022 | 255.35 | 3.3480 | 50.0606 | 0.0305 |
| 12/31/2022 | 255.38 | 3.6713 | 49.7912 | 0.0086 |
| Mínimo | 254.2280 | 0.2055 | 49.7912 | 0.0003 |
| Observaciones: | | | | |