

Day

PERMISIONARIO: Kinder Morgan Gas Natural Mexico, S. de R.L. de C.V.

PUNTO DE MEDICIÓN: PEMEX/KMGNM Estación M1: 40572

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) | Azufre total* (mg/m ³) | Oxígeno* (% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|---|--------------------------------------|--|---------------------------------------|---------------------|
| 01/09/2015 | 95,4812 | 1,6780 | 0,1255 | 1,8035 | 2,3407 | 268,5600 | 34,2000 | 38,0829 | 49,6500 | 0,9700 | | |
| 02/09/2015 | 95,6040 | 1,6807 | 0,1269 | 1,8077 | 2,2565 | 266,3100 | 44,1400 | 38,0219 | 49,6100 | 1,0300 | | |
| 03/09/2015 | 95,4467 | 1,6682 | 0,1257 | 1,7939 | 2,4255 | 267,5000 | 59,2500 | 38,0778 | 49,6600 | 1,1300 | | |
| 04/09/2015 | 95,5063 | 1,6714 | 0,1236 | 1,7950 | 2,3588 | 266,9100 | 52,2300 | 38,0609 | 49,6500 | 1,1300 | | |
| 05/09/2015 | 95,6809 | 1,7149 | 0,1236 | 1,8385 | 2,1620 | 268,0900 | 73,0000 | 37,9750 | 49,5700 | 1,2000 | | |
| 06/09/2015 | 95,5339 | 1,6943 | 0,1275 | 1,8218 | 2,2989 | 268,9400 | 71,3900 | 38,0424 | 49,6200 | 1,2000 | | |
| 07/09/2015 | 95,5081 | 1,6737 | 0,1263 | 1,8000 | 2,3576 | 268,4400 | 69,9300 | 38,0572 | 49,6400 | 1,1900 | | |
| 08/09/2015 | 95,5634 | 1,6953 | 0,1206 | 1,8159 | 2,2991 | 267,8000 | 74,7600 | 38,0239 | 49,6100 | 1,1900 | | |
| 09/09/2015 | 95,4583 | 1,6959 | 0,1195 | 1,8154 | 2,3856 | 268,1400 | 77,6200 | 38,0638 | 49,6300 | 1,0800 | | |
| 10/09/2015 | 95,5103 | 1,6702 | 0,1220 | 1,7922 | 2,3472 | 268,7200 | 77,4700 | 38,0673 | 49,6500 | 1,1600 | | |
| 11/09/2015 | 95,3543 | 1,5907 | 0,1255 | 1,7162 | 2,5731 | 268,4800 | 65,2300 | 38,1643 | 49,7600 | 1,0500 | | |
| 12/09/2015 | 95,5840 | 1,6398 | 0,1255 | 1,7654 | 2,2921 | 268,4400 | 39,9600 | 38,0690 | 49,6700 | 1,1800 | | |
| 13/09/2015 | 95,6090 | 1,6799 | 0,1207 | 1,8007 | 2,2591 | 268,0100 | 53,3100 | 38,0263 | 49,6200 | 1,3300 | | |
| 14/09/2015 | 95,8147 | 1,7298 | 0,1189 | 1,8487 | 1,9792 | 268,8700 | 49,0300 | 37,9513 | 49,5400 | 1,4200 | | |
| 15/09/2015 | 95,7401 | 1,6723 | 0,1215 | 1,7938 | 2,1162 | 269,3700 | 54,2600 | 38,0062 | 49,6100 | 1,3100 | | |
| 16/09/2015 | 95,8848 | 1,6787 | 0,1257 | 1,8045 | 1,9586 | 269,3800 | 52,4600 | 37,9563 | 49,5800 | 1,3400 | | |
| 17/09/2015 | 95,5843 | 1,5686 | 0,1244 | 1,6930 | 2,3789 | 267,9800 | 50,8300 | 38,1089 | 49,7400 | 1,2800 | | |
| 18/09/2015 | 95,4469 | 1,6176 | 0,1260 | 1,7436 | 2,4850 | 266,3900 | 42,6000 | 38,1034 | 49,7100 | 1,2100 | | |
| 19/09/2015 | 95,8230 | 1,6892 | 0,1228 | 1,8121 | 2,0326 | 266,3400 | 40,2100 | 37,9538 | 49,5700 | 1,2000 | | |
| 20/09/2015 | 95,5989 | 1,6706 | 0,1225 | 1,7932 | 2,2526 | 268,9000 | 62,5100 | 38,0460 | 49,6400 | 1,0100 | | |
| 21/09/2015 | 95,5351 | 1,6534 | 0,1257 | 1,7792 | 2,3419 | 268,3800 | 59,1300 | 38,0685 | 49,6600 | 0,9600 | | |
| 22/09/2015 | 95,6764 | 1,7133 | 0,1231 | 1,8365 | 2,1428 | 267,2800 | 59,9400 | 37,9854 | 49,5700 | 1,1400 | | |
| 23/09/2015 | 95,3646 | 1,7281 | 0,1206 | 1,8488 | 2,3433 | 268,3400 | 66,6900 | 38,1061 | 49,6300 | 1,3000 | | |
| 24/09/2015 | 95,5807 | 1,7176 | 0,1193 | 1,8370 | 2,2589 | 266,8600 | 62,5600 | 38,0056 | 49,5800 | 1,2300 | | |
| 25/09/2015 | 95,6051 | 1,7099 | 0,1162 | 1,8261 | 2,2493 | 266,8200 | 61,0600 | 38,0031 | 49,5900 | 1,2200 | | |
| 26/09/2015 | 95,7203 | 1,7418 | 0,1179 | 1,8598 | 2,0853 | 267,6900 | 61,4700 | 37,9570 | 49,5400 | 1,1900 | | |
| 27/09/2015 | 95,7662 | 1,7570 | 0,1178 | 1,8748 | 2,0122 | 267,6400 | 59,1300 | 37,9370 | 49,5200 | 1,2500 | | |
| 28/09/2015 | 95,4103 | 1,6364 | 0,1220 | 1,7584 | 2,4308 | 268,7700 | 62,4700 | 38,1377 | 49,7100 | 1,0300 | | |
| 29/09/2015 | 95,4894 | 1,6381 | 0,1274 | 1,7656 | 2,3849 | 266,8900 | 63,0900 | 38,0899 | 49,6800 | 1,0400 | | |
| 30/09/2015 | 95,5707 | 1,6397 | 0,1289 | 1,7686 | 2,2853 | 267,7900 | 67,4500 | 38,0735 | 49,6700 | 0,9500 | | |

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|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Mínimo | 95,3543 | 1,5686 | 0,1162 | 1,6930 | 1,9586 | 266,3100 | 34,2000 | 37,9370 | 49,5200 | 0,9500 | | |
| Promedio | 95,5817 | 1,6772 | 0,1231 | 1,8003 | 2,2698 | 267,9343 | 58,9127 | 38,0407 | 49,6293 | 1,1640 | | |
| Máximo | 95,8848 | 1,7570 | 0,1289 | 1,8748 | 2,5731 | 269,3800 | 77,6200 | 38,1643 | 49,7600 | 1,4200 | | |
| Desv. Est. | 0,134319414 | 0,042384758 | 0,003299885 | 0,040419935 | 0,150532379 | 0,887214484 | 11,40086655 | 0,058777073 | 0,058068529 | 0,120847581 | | |

Observaciones:

Date

PERMISIONARIO: Kinder Morgan Gas Natural Mexico, S. de R.L. de C.V.
 PUNTO DE MEDICIÓN: PEMEX/KMGNM Estación M1: 40572
 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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|--|
| 01/09/2015 | 95,9270 | 1,7971 | 0,1320 | 1,9260 | 2,8172 | 274,4000 | 39,1100 | 38,2787 | 49,9200 | 1,4300 |
| 02/09/2015 | 95,9295 | 1,7173 | 0,1354 | 1,8432 | 2,6476 | 268,0600 | 62,4900 | 38,2004 | 49,7500 | 1,2100 |
| 03/09/2015 | 95,5962 | 1,7109 | 0,1336 | 1,8327 | 2,6469 | 268,2800 | 75,4400 | 38,1818 | 49,7800 | 1,3200 |
| 04/09/2015 | 95,6858 | 1,7564 | 0,1275 | 1,8759 | 2,5924 | 268,6500 | 68,9800 | 38,1669 | 49,7400 | 1,2700 |
| 05/09/2015 | 95,9071 | 1,7653 | 0,1268 | 1,8897 | 2,4547 | 269,3700 | 79,1900 | 38,0738 | 49,6600 | 1,2700 |
| 06/09/2015 | 95,6823 | 1,7412 | 0,1358 | 1,8654 | 2,4506 | 269,6800 | 77,5900 | 38,1148 | 49,6900 | 1,3100 |
| 07/09/2015 | 95,7844 | 1,7467 | 0,1529 | 1,8996 | 2,5803 | 270,1800 | 75,2700 | 38,1297 | 49,7300 | 1,4200 |
| 08/09/2015 | 95,6911 | 1,7559 | 0,1261 | 1,8736 | 2,5575 | 268,7300 | 79,9300 | 38,1222 | 49,7100 | 1,3400 |
| 09/09/2015 | 95,7637 | 1,7764 | 0,1233 | 1,8944 | 2,5314 | 268,9500 | 82,8200 | 38,1259 | 49,7200 | 1,2300 |
| 10/09/2015 | 95,6674 | 1,7401 | 0,1287 | 1,8574 | 2,6384 | 269,6200 | 84,0000 | 38,1781 | 49,7200 | 1,2600 |
| 11/09/2015 | 95,6949 | 1,6400 | 0,1313 | 1,7668 | 2,9224 | 269,5700 | 78,4900 | 38,3048 | 49,8800 | 1,2300 |
| 12/09/2015 | 95,8712 | 1,7599 | 0,1347 | 1,8780 | 2,5614 | 270,0000 | 52,2900 | 38,1632 | 49,7800 | 1,5600 |
| 13/09/2015 | 95,8155 | 1,7448 | 0,1238 | 1,8612 | 2,5238 | 268,9400 | 58,3700 | 38,1222 | 49,7000 | 1,5000 |
| 14/09/2015 | 96,0295 | 1,7747 | 0,1237 | 1,8917 | 2,1889 | 270,0900 | 60,8400 | 38,1110 | 49,6500 | 1,6000 |
| 15/09/2015 | 95,9642 | 1,7382 | 0,1264 | 1,8646 | 2,3843 | 269,9700 | 59,1500 | 38,1185 | 49,7600 | 1,4200 |
| 16/09/2015 | 96,1637 | 1,7867 | 0,1357 | 1,9105 | 2,3347 | 271,1400 | 62,8600 | 38,0812 | 49,7100 | 1,4900 |
| 17/09/2015 | 95,8819 | 1,6839 | 0,1300 | 1,8061 | 3,0132 | 270,2300 | 60,6500 | 38,3495 | 49,9400 | 1,5200 |
| 18/09/2015 | 95,6961 | 1,7115 | 0,1312 | 1,8369 | 3,3034 | 268,7400 | 57,9200 | 38,4054 | 50,0000 | 1,3300 |
| 19/09/2015 | 95,9698 | 1,7329 | 0,1296 | 1,8545 | 2,4815 | 268,3800 | 55,7600 | 38,0887 | 49,6900 | 1,3600 |
| 20/09/2015 | 95,8596 | 1,7038 | 0,1251 | 1,8271 | 2,5444 | 269,2200 | 72,2000 | 38,1557 | 49,7500 | 1,2100 |
| 21/09/2015 | 95,8283 | 1,7084 | 0,1300 | 1,8305 | 2,9451 | 269,1800 | 66,1300 | 38,2973 | 49,9100 | 1,2500 |
| 22/09/2015 | 95,9077 | 1,7926 | 0,1273 | 1,9125 | 2,5373 | 268,8100 | 66,9100 | 38,2079 | 49,6800 | 1,3300 |
| 23/09/2015 | 95,8319 | 1,7790 | 0,1243 | 1,8944 | 2,7437 | 269,3200 | 72,4800 | 38,3420 | 49,7700 | 1,6700 |
| 24/09/2015 | 95,6940 | 1,7619 | 0,1224 | 1,8816 | 2,4425 | 268,2400 | 72,4800 | 38,0775 | 49,6700 | 1,4400 |
| 25/09/2015 | 95,8746 | 1,7750 | 0,1191 | 1,8853 | 2,5412 | 267,7600 | 71,4500 | 38,1036 | 49,6900 | 1,5300 |
| 26/09/2015 | 96,1303 | 1,8085 | 0,1210 | 1,9269 | 2,2740 | 268,6400 | 71,7900 | 38,0477 | 49,6500 | 1,6000 |
| 27/09/2015 | 95,9897 | 1,7891 | 0,1210 | 1,9067 | 2,3139 | 269,2400 | 67,8900 | 38,0440 | 49,6100 | 1,4200 |
| 28/09/2015 | 95,9442 | 1,8031 | 0,1272 | 1,9185 | 3,1315 | 269,8200 | 71,8000 | 38,4352 | 50,0000 | 1,5000 |
| 29/09/2015 | 95,6796 | 1,6959 | 0,1344 | 1,8153 | 2,6124 | 268,8200 | 72,4800 | 38,2340 | 49,7800 | 1,2200 |
| 30/09/2015 | 95,9061 | 1,7083 | 0,1329 | 1,8355 | 2,5983 | 270,3700 | 75,0100 | 38,1967 | 49,7800 | 1,2500 |
| Máximo | 96,1637 | 1,8085 | 0,1529 | 1,9269 | 3,3034 | 274,4000 | 84,0000 | 38,4352 | 50,0000 | 1,6700 |

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|---------------------------|--|
| Date | |
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| 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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/09/2015 | 95,0942 | 1,4549 | 0,1188 | 1,5853 | 1,8417 | 265,7700 | 29,2900 | 37,8614 | 49,4500 | 0,5600 |
| 02/09/2015 | 95,1728 | 1,6351 | 0,1224 | 1,7666 | 1,9375 | 263,9000 | 29,7200 | 37,8875 | 49,5200 | 0,7600 |
| 03/09/2015 | 95,2808 | 1,5851 | 0,1212 | 1,7187 | 2,3138 | 266,8800 | 33,3900 | 38,0365 | 49,6300 | 0,8000 |
| 04/09/2015 | 95,2727 | 1,6164 | 0,1178 | 1,7423 | 2,1455 | 265,2400 | 33,2500 | 37,9881 | 49,5500 | 0,9800 |
| 05/09/2015 | 95,4367 | 1,6650 | 0,1202 | 1,7879 | 1,8941 | 267,1700 | 64,7700 | 37,8800 | 49,4900 | 1,0700 |
| 06/09/2015 | 95,3590 | 1,6439 | 0,1237 | 1,7702 | 2,1211 | 268,1200 | 63,8700 | 37,9657 | 49,5400 | 0,9600 |
| 07/09/2015 | 95,3293 | 1,5989 | 0,1221 | 1,7250 | 2,0581 | 267,2500 | 62,4900 | 37,9508 | 49,5600 | 1,0100 |
| 08/09/2015 | 95,3172 | 1,6325 | 0,1160 | 1,7569 | 2,1197 | 266,8200 | 62,3400 | 37,9508 | 49,5300 | 1,0100 |
| 09/09/2015 | 95,3353 | 1,6280 | 0,1135 | 1,7507 | 2,0612 | 267,2500 | 71,5300 | 37,9545 | 49,5500 | 0,8500 |
| 10/09/2015 | 95,1687 | 1,6051 | 0,1173 | 1,7291 | 2,1578 | 267,4000 | 65,1700 | 37,9993 | 49,5800 | 1,0800 |
| 11/09/2015 | 95,0192 | 1,5222 | 0,1218 | 1,6471 | 2,2431 | 267,3400 | 49,7600 | 38,0514 | 49,6700 | 0,8900 |
| 12/09/2015 | 95,3866 | 1,5351 | 0,1175 | 1,6604 | 1,9570 | 267,4100 | 32,6500 | 37,9247 | 49,5200 | 0,9800 |
| 13/09/2015 | 95,3596 | 1,6443 | 0,1164 | 1,7642 | 2,0159 | 267,1100 | 36,2100 | 37,9545 | 49,5600 | 1,2600 |
| 14/09/2015 | 95,4812 | 1,6650 | 0,1154 | 1,7819 | 1,7419 | 267,5900 | 41,3400 | 37,8763 | 49,4800 | 1,2800 |
| 15/09/2015 | 95,5295 | 1,5697 | 0,1156 | 1,6889 | 1,8096 | 269,0100 | 47,3200 | 37,8987 | 49,5100 | 1,2100 |
| 16/09/2015 | 95,4841 | 1,5070 | 0,1178 | 1,6408 | 1,7053 | 267,5400 | 43,9600 | 37,8577 | 49,4500 | 1,2300 |
| 17/09/2015 | 94,9720 | 1,3743 | 0,1195 | 1,5011 | 2,0098 | 265,0300 | 35,4900 | 37,9620 | 49,6000 | 1,0700 |
| 18/09/2015 | 94,7881 | 1,4520 | 0,1180 | 1,5739 | 2,1942 | 265,5300 | 33,0100 | 37,9993 | 49,5900 | 0,9700 |
| 19/09/2015 | 95,4355 | 1,6333 | 0,1187 | 1,7629 | 1,8320 | 265,2200 | 33,0100 | 37,8949 | 49,5100 | 0,9300 |
| 20/09/2015 | 95,3427 | 1,6049 | 0,1205 | 1,7290 | 2,0309 | 268,5800 | 55,0700 | 37,9620 | 49,5800 | 0,8400 |
| 21/09/2015 | 95,0935 | 1,4988 | 0,1215 | 1,6221 | 2,0060 | 267,4700 | 53,3000 | 37,9545 | 49,5700 | 0,7800 |
| 22/09/2015 | 95,0103 | 1,6349 | 0,1180 | 1,7619 | 1,9233 | 265,9700 | 54,5200 | 37,8987 | 49,5100 | 0,7200 |
| 23/09/2015 | 94,7519 | 1,6367 | 0,1154 | 1,7589 | 1,9416 | 267,8400 | 58,4500 | 37,9024 | 49,4900 | 0,7900 |
| 24/09/2015 | 95,4625 | 1,6588 | 0,1157 | 1,7745 | 2,1446 | 266,1600 | 56,0300 | 37,9583 | 49,5400 | 0,8900 |
| 25/09/2015 | 95,3157 | 1,6532 | 0,1103 | 1,7707 | 1,9766 | 266,1200 | 55,8000 | 37,9136 | 49,5000 | 0,6800 |
| 26/09/2015 | 95,4891 | 1,6468 | 0,1142 | 1,7662 | 1,6778 | 266,8600 | 52,0000 | 37,8092 | 49,4400 | 0,7700 |
| 27/09/2015 | 95,4705 | 1,6996 | 0,1142 | 1,8200 | 1,7719 | 266,5600 | 50,8300 | 37,8539 | 49,4500 | 0,7700 |
| 28/09/2015 | 94,7674 | 1,4438 | 0,1154 | 1,5661 | 1,7843 | 266,9900 | 51,2200 | 37,8614 | 49,4500 | 0,3100 |
| 29/09/2015 | 95,0625 | 1,5556 | 0,1190 | 1,6900 | 2,2289 | 265,8800 | 53,5600 | 38,0253 | 49,6300 | 0,8000 |
| 30/09/2015 | 95,1836 | 1,4760 | 0,1218 | 1,6074 | 1,9845 | 264,8700 | 54,0100 | 37,9434 | 49,5700 | 0,6200 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Mínimo | 94,7519 | 1,3743 | 0,1103 | 1,5011 | 1,6778 | 263,9000 | 29,2900 | 37,8092 | 49,4400 | 0,3100 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

