

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 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)
01/12/2015	95,2733	1,8583	0,1069	1,9653	2,3611	267,5200	87,1100	38,0478	49,5200	1,3500		
02/12/2015	95,8803	1,8069	0,1065	1,9134	1,8339	266,1900	83,5200	37,8938	49,4600	1,0200		
03/12/2015	95,9804	1,8242	0,1028	1,9270	1,7247	265,5400	83,7700	37,8535	49,4300	1,0200		
04/12/2015	95,9683	1,7881	0,1076	1,8958	1,7740	264,9900	82,5800	37,8744	49,4600	0,9100		
05/12/2015	96,0113	1,7897	0,1077	1,8974	1,7254	265,9800	82,0400	37,8640	49,4600	1,0300		
06/12/2015	96,1402	1,8516	0,1025	1,9542	1,5282	266,9800	86,7400	37,7982	49,3800	0,9600		
07/12/2015	96,1220	1,8296	0,1029	1,9325	1,5551	267,6800	86,6900	37,8252	49,4100	0,9600		
08/12/2015	95,9072	1,7915	0,1112	1,9027	1,8022	267,6500	80,8900	37,9039	49,4800	0,5100		
09/12/2015	95,9358	1,7801	0,1095	1,8897	1,7774	267,7500	83,0000	37,9091	49,4900	0,5800		
10/12/2015	95,8756	1,7196	0,1126	1,8322	1,9165	267,5200	81,2200	37,9535	49,5500	0,6400		
11/12/2015	95,7976	1,7336	0,1135	1,8471	1,9547	269,0500	75,9600	37,9794	49,5600	0,9500		
12/12/2015	96,0102	1,7856	0,1103	1,8960	1,7218	267,5500	72,9900	37,8712	49,4600	1,2800		
13/12/2015	96,1303	1,8727	0,1024	1,9752	1,5029	268,4100	73,0500	37,7970	49,3600	1,3800		
14/12/2015	96,0800	1,8522	0,1038	1,9560	1,5778	267,6400	71,1500	37,8200	49,3900	1,3100		
15/12/2015	96,1424	1,8034	0,1079	1,9113	1,5685	267,6100	69,6600	37,8276	49,4300	1,0500		
16/12/2015	95,9781	1,8364	0,1070	1,9434	1,6522	269,5800	66,7300	37,8786	49,4300	1,1000		
17/12/2015	96,1651	1,7681	0,1087	1,8768	1,5763	267,4700	64,2500	37,8449	49,4600	1,0900		
18/12/2015	95,9355	1,7748	0,1138	1,8886	1,7528	268,5500	58,3400	37,9229	49,5000	0,9700		
19/12/2015	96,0958	1,7676	0,1048	1,8724	1,6362	267,4700	53,5900	37,8737	49,4800	0,8400		
20/12/2015	95,9853	1,6941	0,1164	1,8106	1,8036	267,9000	57,1700	37,9490	49,5700	0,3600		
21/12/2015	96,0379	1,7459	0,1092	1,8551	1,7041	268,6300	60,2200	37,9072	49,5100	0,6500		
22/12/2015	95,9431	1,7636	0,1078	1,8715	1,7608	269,7300	62,9000	37,9356	49,5200	0,8300		
23/12/2015	95,8836	1,7612	0,1081	1,8694	1,8213	270,2600	64,7400	37,9550	49,5300	0,6500		
24/12/2015	96,2277	1,8750	0,0971	1,9721	1,3790	269,7200	67,2600	37,7875	49,3600	1,4400		
25/12/2015	96,0642	1,9343	0,0968	2,0311	1,4347	271,5300	59,4400	37,8213	49,3400	1,6500		
26/12/2015	96,1386	1,9325	0,0963	2,0289	1,3954	270,2400	34,3700	37,7836	49,3200	1,5600		
27/12/2015	96,1190	1,9342	0,0945	2,0288	1,4169	270,0900	42,1200	37,7887	49,3200	1,4400		
28/12/2015	96,0127	1,8447	0,1078	1,9526	1,5767	270,8600	47,9900	37,8810	49,4300	1,3600		
29/12/2015	95,9129	1,7737	0,1058	1,8795	1,8122	267,3900	23,1500	37,9209	49,5000	1,0400		
30/12/2015	95,8196	1,7290	0,1096	1,8387	1,9476	267,5900	46,7000	37,9740	49,5600	0,3000		
31/12/2015	96,2552	1,8544	0,0952	1,9496	1,3711	268,9800	50,4400	37,7946	49,3800	1,3200		

Mínimo	95,2733	1,6941	0,0945	1,8106	1,3711	264,9900	23,1500	37,7836	49,3200	0,3000		
Promedio	95,9945	1,8089	0,1060	1,9150	1,6892	268,1952	66,4445	37,8786	49,4532	1,0177		
Máximo	96,2552	1,9343	0,1164	2,0311	2,3611	271,5300	87,1100	38,0478	49,5700	1,6500		
Desv. Est.	0,177458405	0,062139068	0,005589477	0,057366637	0,208608842	1,540391446	16,49439012	0,066762289	0,07203643	0,34499961		

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)
01/12/2015	95,4474	1,9521	0,1109	2,0580	2,7025	268,7200	89,2500	38,1669	49,6500	2,0300
02/12/2015	96,0273	1,8671	0,1114	1,9704	2,2234	267,0700	88,2000	37,9993	49,5500	1,2500
03/12/2015	96,1089	1,8745	0,1067	1,9767	1,8775	266,9700	88,3000	37,9322	49,4700	1,3300
04/12/2015	96,0254	1,8472	0,1112	1,9523	1,8638	266,6100	89,1200	37,9173	49,5300	1,0900
05/12/2015	96,1400	1,8978	0,1116	1,9995	1,8141	267,0700	85,7000	37,9024	49,5200	1,3300
06/12/2015	96,2919	1,9126	0,1081	2,0125	1,7863	267,8500	92,3400	37,9061	49,4600	1,3400
07/12/2015	96,1761	1,9392	0,1137	2,0377	1,7901	268,0600	91,9200	37,9173	49,5200	1,2500
08/12/2015	96,0487	1,9206	0,1265	2,0233	2,0523	268,4100	84,2800	37,9955	49,5700	0,8400
09/12/2015	96,0512	1,9037	0,1182	2,0089	2,0344	268,6900	88,3800	38,0365	49,6300	1,0900
10/12/2015	96,0326	1,7875	0,1189	1,9003	2,2203	268,6400	87,4000	38,0663	49,6800	0,7900
11/12/2015	95,9014	1,8230	0,1255	1,9303	2,1703	270,3600	81,0400	38,1073	49,7600	1,2300
12/12/2015	96,1337	1,8384	0,1181	1,9451	1,9056	268,3500	77,0300	37,9285	49,5300	1,3900
13/12/2015	96,1874	1,9236	0,1092	2,0242	1,6341	269,1800	77,4600	37,8428	49,4400	1,4500
14/12/2015	96,2719	1,9422	0,1075	2,0477	1,7075	269,4400	73,8200	37,8726	49,5400	1,4500
15/12/2015	96,2408	1,9132	0,1137	2,0114	1,6950	268,4400	73,2900	37,8763	49,4700	1,2000
16/12/2015	96,2315	2,0142	0,1156	2,1148	1,9426	270,9300	71,1100	37,9844	49,5700	1,3300
17/12/2015	96,2464	1,8587	0,1238	1,9614	1,7867	270,3000	69,0800	37,9545	49,6700	1,3400
18/12/2015	96,1104	1,8468	0,1249	1,9537	1,9409	269,2000	66,5500	38,0142	49,6100	1,2300
19/12/2015	96,2737	1,8085	0,1178	1,9114	1,9920	268,9000	59,8800	37,9993	49,6100	1,1600
20/12/2015	96,0725	1,7436	0,1267	1,8567	2,0253	268,5300	62,9500	38,0440	49,6900	0,5900
21/12/2015	96,1146	1,8372	0,1146	1,9388	1,7964	269,7400	62,9700	37,9471	49,5700	0,9400
22/12/2015	96,0816	1,8320	0,1166	1,9364	2,3166	270,7500	68,4000	38,1520	49,7300	1,0500
23/12/2015	96,0709	1,8594	0,1173	1,9615	2,2516	271,5300	69,1900	38,1334	49,7100	0,9600
24/12/2015	96,3486	1,9138	0,1010	2,0098	1,5564	271,4300	78,1400	37,8502	49,4100	1,7700
25/12/2015	96,3151	1,9955	0,0985	2,0932	1,5617	272,1300	77,4500	37,8800	49,3900	1,9200
26/12/2015	96,2830	1,9799	0,0986	2,0754	1,4777	270,8800	38,4600	37,8055	49,3700	1,6600
27/12/2015	96,2570	2,0088	0,0972	2,1019	1,5117	271,3800	62,3900	37,8279	49,3500	1,5200
28/12/2015	96,1982	1,9160	0,1210	2,0118	1,8282	272,0400	65,1000	37,9806	49,5600	1,4900
29/12/2015	96,3524	1,9183	0,1257	2,0144	2,7444	270,3100	40,2500	38,2377	49,8200	1,8600
30/12/2015	96,3258	1,8737	0,1177	1,9691	2,3705	269,2600	49,2900	38,1259	49,7200	0,9100
31/12/2015	96,3571	1,8841	0,0970	1,9774	1,4459	269,8100	52,3400	37,8465	49,4000	1,4200

Máximo	96,3571	2,0142	0,1267	2,1148	2,7444	272,1300	92,3400	38,2377	49,8200	2,0300
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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)
01/12/2015	95,0381	1,7580	0,1017	1,8685	2,0972	266,0700	81,2100	37,9508	49,4000	0,7200
02/12/2015	95,4389	1,7311	0,1025	1,8418	1,7158	265,2300	78,3400	37,8539	49,4300	0,7800
03/12/2015	95,7264	1,7842	0,0987	1,8832	1,6235	264,5500	74,4700	37,8130	49,4000	0,7300
04/12/2015	95,8882	1,7318	0,1030	1,8430	1,6641	264,0100	76,3700	37,8204	49,4000	0,6700
05/12/2015	95,9297	1,7403	0,1017	1,8488	1,6440	265,2500	76,8400	37,8316	49,3700	0,7200
06/12/2015	95,8617	1,7676	0,0997	1,8757	1,3955	265,6400	79,0000	37,7459	49,3200	0,7000
07/12/2015	95,9662	1,7433	0,0985	1,8570	1,4454	267,2800	78,2300	37,7645	49,3100	0,5000
08/12/2015	95,6920	1,7359	0,1027	1,8617	1,6348	266,7300	75,4100	37,8241	49,3500	0,1700
09/12/2015	95,7346	1,6882	0,1032	1,8064	1,5502	267,0400	76,1000	37,7981	49,3500	0,2600
10/12/2015	95,5985	1,6159	0,1091	1,7348	1,7161	266,6800	69,0900	37,8838	49,4700	0,4900
11/12/2015	95,5149	1,5554	0,1064	1,6809	1,8161	267,9400	68,4400	37,9024	49,4600	0,6900
12/12/2015	95,8786	1,7368	0,1049	1,8533	1,5683	266,8600	68,4200	37,8130	49,4100	1,1900
13/12/2015	96,0373	1,8040	0,0971	1,9132	1,4224	267,4300	67,4300	37,7608	49,3200	1,1800
14/12/2015	95,8988	1,6756	0,0997	1,7828	1,4849	266,5800	64,6900	37,7832	49,3300	0,9300
15/12/2015	95,9865	1,7513	0,0982	1,8650	1,3611	267,1100	64,8300	37,7385	49,3100	0,8700
16/12/2015	95,7371	1,7259	0,0980	1,8415	1,3266	268,0100	60,9000	37,7571	49,3100	0,9400
17/12/2015	95,8995	1,5448	0,1017	1,6686	1,4141	266,3800	56,7800	37,7794	49,3700	0,7300
18/12/2015	95,8071	1,6941	0,1054	1,8101	1,5090	267,8100	47,0700	37,8353	49,4000	0,7300
19/12/2015	95,7947	1,6823	0,0943	1,8001	1,4666	266,5400	48,2000	37,8055	49,4200	0,5300
20/12/2015	95,8520	1,6020	0,1110	1,7205	1,7114	267,3500	48,7000	37,9136	49,5300	0,1200
21/12/2015	95,9764	1,6854	0,1004	1,7990	1,6075	267,8200	57,4700	37,8689	49,4400	0,4200
22/12/2015	95,4896	1,6266	0,1010	1,7432	1,5790	268,1000	54,6800	37,8614	49,4500	0,3100
23/12/2015	95,5348	1,6283	0,1014	1,7422	1,5515	269,6600	57,2500	37,8390	49,4000	0,3000
24/12/2015	96,0635	1,8287	0,0950	1,9250	1,3211	268,5000	41,3400	37,7608	49,3300	0,8000
25/12/2015	95,9161	1,8686	0,0947	1,9671	1,2782	270,4200	37,0900	37,7422	49,2700	1,4800
26/12/2015	96,0241	1,8772	0,0944	1,9727	1,3220	269,4100	27,3500	37,7608	49,2800	1,4100
27/12/2015	95,9261	1,8790	0,0917	1,9762	1,3297	269,3700	21,6500	37,7459	49,2900	1,3600
28/12/2015	95,7769	1,6884	0,0943	1,8061	1,3722	269,9100	19,7000	37,7906	49,3400	1,2100
29/12/2015	95,1807	1,5672	0,0943	1,6929	1,3140	265,5700	19,3900	37,7385	49,3300	0,1100
30/12/2015	95,4982	1,6103	0,0944	1,7250	1,3186	266,8400	41,3400	37,7683	49,3600	0,1300
31/12/2015	96,1072	1,8315	0,0930	1,9282	1,3181	268,2000	48,6900	37,7496	49,3500	1,0400

Mínimo	95,0381	1,5448	0,0917	1,6686	1,2782	264,0100	19,3900	37,7385	49,2700	0,1100
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