

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

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/m³)	Poder Calorífico (MJ/m³)	Índice Wobbe (MJ/m³)	Acido Sulfhídrico (mg/m³)	Azufre total* (mg/m³)	Oxígeno* (% vol)
01/08/2013	95.3882	1.5621	0.1272	1.6893	2.1931	283.9500	43.5100	38.3664	49.8900	0.8700		
02/08/2013	95.6887	1.4967	0.1372	1.6339	2.0749	280.8000	44.9800	38.2492	49.8700	0.9100		
03/08/2013	95.4525	1.7487	0.1276	1.8764	2.0889	280.4200	42.5800	38.1466	49.6400	0.8800		
04/08/2013	94.9982	1.8975	0.1320	2.0295	2.3285	282.3700	44.4600	38.2036	49.5700	1.1200		
05/08/2013	94.6860	1.9045	0.1373	2.0418	2.6573	282.4300	40.2800	38.2700	49.6000	1.1700		
06/08/2013	94.9731	1.6856	0.1435	1.8291	2.6119	280.7700	43.7400	38.3107	49.7700	1.0000		
07/08/2013	94.8759	1.4779	0.1334	1.6113	2.9200	279.6200	42.7900	38.4875	50.0200	0.3900		
08/08/2013	94.8835	1.4406	0.1278	1.5684	2.9536	279.1000	42.2900	38.5133	50.0600	0.7500		
09/08/2013	95.0094	1.4156	0.1331	1.5487	2.8729	278.2700	43.1900	38.4749	50.0500	0.9800		
10/08/2013	95.0893	1.5399	0.1389	1.6789	2.6543	278.7500	38.5000	38.3720	49.9100	1.0000		
11/08/2013	95.1785	1.5763	0.1353	1.7117	2.5180	279.8300	33.2900	38.3355	49.8600	1.1900		
12/08/2013	95.0909	1.5303	0.1336	1.6640	2.6541	279.2800	33.8400	38.3923	49.9300	1.1200		
13/08/2013	95.1293	1.5131	0.1345	1.6477	2.6776	278.9500	35.9000	38.3686	49.9300	0.9300		
14/08/2013	95.3053	1.5223	0.1336	1.6560	2.4759	278.7400	39.7400	38.3208	49.8900	0.9800		
15/08/2013	95.0834	1.5448	0.1660	1.7108	2.6661	278.1500	40.5800	38.3366	49.8700	0.5200		
16/08/2013	95.1148	1.6043	0.1454	1.7497	2.5949	278.7600	43.4600	38.3051	49.8200	0.7400		
17/08/2013	95.3654	1.5712	0.1473	1.7186	2.3930	278.4500	41.4800	38.2439	49.8100	0.8200		
18/08/2013	95.3680	1.7517	0.1434	1.8951	2.1615	280.6600	38.6300	38.1547	49.6300	0.7800		
19/08/2013	95.5089	1.6132	0.1527	1.7659	2.1939	278.5800	38.7100	38.1745	49.7400	0.7500		
20/08/2013	95.0375	1.5177	0.1470	1.6648	2.6737	277.9300	37.9500	38.4119	49.9400	0.8600		
21/08/2013	95.1465	1.5161	0.1445	1.6606	2.6403	277.2100	36.1600	38.3534	49.9100	0.9500		
22/08/2013	94.7277	1.5510	0.1444	1.6955	3.0244	276.2600	36.2000	38.4460	49.9400	0.9900		
23/08/2013	94.9793	1.5945	0.1429	1.7375	2.7461	276.4800	35.1600	38.3439	49.8500	0.9900		
24/08/2013	95.4021	1.4273	0.1514	1.5787	2.4908	276.3000	33.9000	38.3260	49.9500	0.9900		
25/08/2013	95.2948	1.5937	0.1440	1.7378	2.4414	277.8300	32.8500	38.2526	49.8000	1.0400		
26/08/2013	95.3131	1.4880	0.1652	1.6532	2.4766	278.0800	31.4100	38.3189	49.9000	0.6400		
27/08/2013	94.9595	1.6351	0.1407	1.7758	2.6773	279.1400	30.9700	38.3557	49.8300	0.6700		
28/08/2013	95.1540	1.6262	0.1416	1.7678	2.4761	280.2200	36.1100	38.3133	49.8100	0.6700		
29/08/2013	95.1635	1.5313	0.1413	1.6726	2.5479	279.9100	37.4700	38.3804	49.9200	0.6700		
30/08/2013	95.3494	1.5424	0.1494	1.6918	2.4119	278.8500	38.6000	38.2781	49.8500	0.6700		
31/08/2013	95.4147	1.6315	0.1451	1.7766	2.2303	279.9600	36.4300	38.2202	49.7500	0.6500		

Mínimo	94.6860	1.4156	0.1272	1.5487	2.0749	276.2600	30.9700	38.1466	49.5700	0.3900
Promedio	95.1655	1.5823	0.1415	1.7239	2.5331	279.2274	38.5535	38.3234	49.8487	0.8610
Máximo	95.6887	1.9045	0.1660	2.0418	3.0244	283.9500	44.9800	38.5133	50.0600	1.1900
Desv. Est.										

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

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/m³)	Poder Calorífico (MJ/m³)	Índice Wobbe (MJ/m³)	Acido Sulfhídrico (mg/m³)
01-08-13	95.5899	1.6849	0.1317	1.8135	2.3130	284.7300	48.1600	38.5768	50.2700	1.0600
02-08-13	95.9351	1.6446	0.1579	1.7913	2.2885	283.4600	51.7000	38.3942	50.1100	1.0700
03-08-13	95.6588	1.9866	0.1343	2.0921	2.3463	282.4700	46.7600	38.3756	50.0400	1.0100
04-08-13	95.4080	2.5048	0.1561	2.5835	3.2375	288.2000	51.6800	38.5618	49.8500	1.5300
05-08-13	95.0156	1.9909	0.1582	2.1310	2.9455	284.5700	44.6800	38.4389	49.7400	1.3700
06-08-13	95.4114	2.0083	0.1587	2.1185	2.8295	283.2900	53.3200	38.5022	50.2000	1.5800
07-08-13	95.3476	1.6372	0.1502	1.7874	3.1458	281.8400	46.5000	38.5917	50.2500	0.6300
08-08-13	95.5211	1.5750	0.1390	1.6975	3.6871	280.6700	46.9900	38.7146	50.2600	0.8700
09-08-13	95.4436	1.5142	0.1395	1.6469	3.2222	279.4000	49.2900	38.6066	50.1500	1.2200
10-08-13	95.3105	1.7446	0.1529	1.8917	3.1159	280.1200	45.8800	38.5805	50.1900	1.2700
11-08-13	95.4516	1.8278	0.1467	1.9717	2.7394	281.7000	36.4700	38.4613	50.1400	1.4000
12-08-13	95.3786	1.6569	0.1549	1.7833	2.8413	281.0500	38.0200	38.4985	50.0900	1.4700
13-08-13	95.4246	1.7696	0.1497	1.8943	3.0164	282.8700	40.8000	38.5768	50.1900	1.2600
14-08-13	95.5719	1.6934	0.1441	1.8375	2.7139	280.4600	43.5200	38.4538	50.1400	1.2000
15-08-13	95.2562	1.6464	0.5946	2.2280	2.8699	280.3200	46.6000	38.4352	50.0600	1.0800
16-08-13	95.3147	1.8028	0.1518	1.9460	2.7240	280.5200	47.0200	38.4054	50.0100	0.7900
17-08-13	95.6120	1.6954	0.1574	1.8485	2.6069	279.9100	47.6400	38.3905	50.0600	0.8700
18-08-13	95.6248	1.9180	0.1579	2.0538	2.2882	282.4600	42.3700	38.2116	49.7300	0.8400
19-08-13	95.6274	1.8383	0.1590	1.9844	2.4979	281.6300	45.5400	38.3793	50.0900	0.8100
20-08-13	95.6041	1.6453	0.1560	1.7881	3.2381	279.4500	40.8000	38.7444	50.0700	0.9100
21-08-13	95.5806	1.6794	0.1523	1.8281	3.1497	277.9600	41.4700	38.5320	50.0700	1.0000
22-08-13	94.9624	1.7352	0.1553	1.8766	3.3746	279.1900	38.4700	38.5954	50.1000	1.0800
23-08-13	95.2850	1.7324	0.1576	1.8629	3.0508	280.9600	39.4300	38.7221	50.0200	1.0600
24-08-13	95.7811	1.6569	0.1660	1.7878	2.8123	283.3900	38.7600	38.4724	50.1400	1.0500
25-08-13	95.4604	1.6550	0.1573	1.8004	2.5471	279.3000	37.6700	38.3085	49.8900	1.1400
26-08-13	95.5902	1.7368	0.4933	1.8713	2.8143	282.9900	35.4600	38.4873	50.1300	0.7200
27-08-13	95.3726	1.7818	0.1493	1.9229	3.3796	284.2900	33.0500	38.6624	49.9700	0.7300
28-08-13	95.4962	1.7085	0.1543	1.8468	2.8142	284.8000	39.3900	38.4762	49.9900	0.7300
29-08-13	95.4681	1.7164	0.1534	1.8534	2.8331	284.0200	43.6300	38.4650	50.1600	0.7500
30-08-13	95.6345	1.6947	0.1673	1.8542	2.6967	282.8700	45.9100	38.4724	50.0000	0.7400
31-08-13	95.6263	1.8002	0.1624	1.9322	2.5190	282.6900	38.9100	38.3458	49.9900	0.7300

Máximo	95.9351	2.5048	0.5946	2.5835	3.6871	288.2000	53.3200	38.7444	50.2700	
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Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)

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 Sulhídrico (mg/m ³)
01/08/2013	95.2218	1.1869	0.1227	1.3180	2.0145	282.9000	37.1300	38.2824	49.7600	0.5900
02/08/2013	95.3590	1.2656	0.1246	1.4060	1.7352	279.8100	35.6500	38.0551	49.6600	0.7400
03/08/2013	95.1686	1.3690	0.1055	1.4870	1.8893	279.4700	37.7800	38.0253	49.4500	0.6800
04/08/2013	94.0828	1.6148	0.0774	1.7570	1.8875	278.9500	34.7000	38.0999	49.1600	0.9200
05/08/2013	94.3339	1.7885	0.1284	1.9347	2.3745	281.7800	35.8900	38.1744	49.5200	0.9500
06/08/2013	94.5554	1.2400	0.1102	1.3721	2.2388	277.6400	35.8900	38.1893	49.5000	0.2800
07/08/2013	94.5868	1.2359	0.1233	1.3656	2.6496	277.5300	36.5300	38.4165	49.8700	0.3000
08/08/2013	94.0230	1.1522	0.1195	1.2775	2.6187	276.7600	38.4600	38.4128	49.9500	0.4900
09/08/2013	94.5646	1.2801	0.1233	1.4034	2.5547	276.9500	36.6100	38.3979	49.9600	0.7100
10/08/2013	94.7642	1.3189	0.1273	1.4519	2.2418	277.0400	33.1300	38.1669	49.6500	0.8400
11/08/2013	94.9446	1.2734	0.1235	1.4040	2.2064	277.6500	30.4700	38.1595	49.5900	1.0600
12/08/2013	94.8760	1.3901	0.1236	1.5172	2.4096	277.5900	31.7400	38.3197	49.8300	0.7600
13/08/2013	94.8022	1.2156	0.1209	1.3623	2.4323	275.5900	33.1500	38.2675	49.7000	0.7200
14/08/2013	95.1349	1.2762	0.1275	1.4100	2.0395	277.1200	36.6400	38.1185	49.6600	0.5000
15/08/2013	94.7248	1.3728	0.1394	1.5257	2.4488	277.0700	36.2800	38.1297	49.5100	0.3400
16/08/2013	94.9164	1.4161	0.1406	1.5638	2.4181	277.5800	37.4900	38.2452	49.6600	0.6400
17/08/2013	95.1762	1.3464	0.1354	1.4818	2.0650	277.2700	34.6600	38.0999	49.6600	0.7700
18/08/2013	95.2151	1.6448	0.1349	1.7864	2.0634	279.2400	33.9400	38.0999	49.5100	0.7300
19/08/2013	95.3296	1.2731	0.1436	1.4282	2.0007	276.7000	32.7800	38.0700	49.5600	0.6900
20/08/2013	94.0620	1.3242	0.1390	1.4785	2.2622	276.6200	34.9500	38.2750	49.8200	0.7400
21/08/2013	94.6719	1.3158	0.1361	1.4566	2.1450	276.0800	32.7500	38.1334	49.6700	0.8800
22/08/2013	94.4240	1.4414	0.1349	1.5834	2.8174	274.0400	31.4300	38.3271	49.8300	0.9300
23/08/2013	94.1783	1.4286	0.1279	1.5836	2.4328	273.3700	31.0800	38.2414	49.7500	0.9500
24/08/2013	94.9374	1.1687	0.1303	1.3332	2.3305	272.7800	27.5400	38.2265	49.7600	0.9500
25/08/2013	95.1634	1.4838	0.1294	1.6411	2.3001	275.7200	28.5600	38.1781	49.7400	0.9800
26/08/2013	94.8728	1.2447	0.1300	1.4039	2.1548	276.1700	27.1200	38.1818	49.6700	0.6000
27/08/2013	94.0472	1.5028	0.1322	1.6395	2.1479	276.1300	27.5500	38.1408	49.6300	0.6200
28/08/2013	94.8936	1.4495	0.1295	1.5969	2.2300	277.7400	32.8800	38.1893	49.7100	0.6200
29/08/2013	94.7866	1.2024	0.1299	1.3557	2.2405	274.6900	33.3600	38.2861	49.7600	0.6100
30/08/2013	95.0215	1.4324	0.1400	1.5822	2.1725	277.0800	31.4000	38.1110	49.6500	0.6000
31/08/2013	95.0879	1.3962	0.1311	1.5451	1.9972	276.9500	32.7800	38.1297	49.6400	0.5800

Mínimo	94.0230	1.1522	0.0774	1.2775	1.7352	272.7800	27.1200	38.0253	49.1600	0.2800
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Observaciones: