

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**

(Valores promedio diarios)

PERMISIONARIO: **TRACTEBEL GNP, S.A. de C.V.**  
 PUNTO DE MEDICIÓN: **Nuevo Madero**  
 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 <sup>3</sup> )	Poder Calorífico (MJ/m <sup>3</sup> )	Índice Wobbe (MJ/m <sup>3</sup> )	Acido Sulfhídrico (mg/m <sup>3</sup> )	Azufre total* (mg/m <sup>3</sup> )	Oxígeno* (% vol)
	<b>84.0 MÍN.</b>	<b>3.0 MÁX.</b>	<b>4.0 MÁX.</b>	<b>4.0 MÁX.</b>	<b>11.0 MÁX.</b>	<b>271.15 MÁX</b>	<b>110.0 MÁX.</b>	<b>37.3 MÍN.</b>	<b>48.2 MÍN.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/10/2017	95.2533	0.6732	0.3041	0.9774	3.1706	253.1162	4.6600	38.6700	50.5800	2.2550	<10.8	0.00
02/10/2017	94.8396	0.5906	0.2386	0.8292	3.4470	251.9291	4.5800	38.9900	50.8500	2.3336		
03/10/2017	95.0693	0.6696	0.2677	0.9373	3.3618	252.6435	4.4100	38.7700	50.6500	2.3336		
04/10/2017	95.5469	0.7175	0.2704	0.9879	3.0822	253.7702	18.1700	38.5000	50.4700	1.0426		
05/10/2017	95.4091	0.6114	0.2316	0.8431	3.2638	251.6685	19.2200	38.6800	50.6500	0.7056		
06/10/2017	95.1449	0.6834	0.2486	0.9321	3.4783	250.3890	18.1100	38.6800	50.6000	1.0853		
07/10/2017	95.6812	0.8132	0.2822	1.0953	2.9570	252.2448	19.1400	38.3600	50.3100	1.1376		
08/10/2017	96.1082	0.7515	0.2713	1.0228	2.5896	255.0528	20.2400	38.2900	50.3200	0.8958		
09/10/2017	95.6192	0.6301	0.2332	0.8632	3.0546	252.6590	19.9800	38.5900	50.6000	0.8157		
10/10/2017	95.5521	0.6507	0.2355	0.8862	3.1173	252.7297	19.5600	38.6000	50.5800	0.8162		
11/10/2017	95.8729	0.7857	0.2885	1.0742	2.7814	255.8393	20.0000	38.3200	50.3000	0.9108		
12/10/2017	95.7735	0.8071	0.3063	1.1134	2.8473	255.7032	19.7700	38.3200	50.2800	0.9178		
13/10/2017	95.6274	0.8172	0.3175	1.1347	2.9426	256.4200	19.5100	38.3600	50.2900	0.9776		
14/10/2017	95.4506	0.6771	0.2677	0.9448	3.1535	253.7912	18.4300	38.5800	50.5400	0.8072		
15/10/2017	95.2001	0.7552	0.2903	1.0455	3.3065	252.0607	18.1400	38.5900	50.4800	0.9210		
16/10/2017	95.4421	0.7316	0.2667	0.9983	3.0247	256.6380	19.3700	38.5900	50.5000	0.6097		
17/10/2017	95.6929	0.7358	0.2876	1.0233	2.8351	256.1804	19.6700	38.4700	50.4200	0.5936		
18/10/2017	95.8640	0.7745	0.3276	1.1021	2.7014	256.0006	20.1900	38.3200	50.3000	0.6726		
19/10/2017	95.7122	0.7256	0.3606	1.0862	2.8240	256.2608	20.1200	38.4000	50.3600	0.5533		
20/10/2017	95.5000	0.6983	0.3103	1.0086	3.0012	254.6118	19.0800	38.5400	50.4800	0.5772		
21/10/2017	95.6356	0.7020	0.2937	0.9957	2.8855	254.3143	18.8700	38.5200	50.4700	0.5631		
22/10/2017	95.7513	0.7107	0.2954	1.0060	2.8064	254.9908	19.1500	38.4600	50.4400	0.6233		
23/10/2017	95.4320	0.6851	0.2892	0.9743	3.0579	254.8729	18.1800	38.6100	50.5300	0.5909		
24/10/2017	95.4716	0.7466	0.2942	1.0408	3.0009	255.0374	18.1800	38.5300	50.4500	0.6715		
25/10/2017	95.5931	0.8244	0.3263	1.1507	2.8683	255.7710	19.1300	38.4000	50.3100	0.7835		
26/10/2017	95.7189	0.8814	0.3253	1.2068	2.7189	279.3627	19.3600	38.3500	50.2400	0.8081		
27/10/2017	95.7688	0.9207	0.3174	1.2381	2.6520	284.5000	19.4600	38.3300	50.2000	0.9045		
28/10/2017	95.7745	0.9321	0.3199	1.2520	2.6551	283.6447	20.0400	38.2900	50.1700	0.8416		
29/10/2017	95.3108	0.8482	0.2828	1.1310	3.0618	282.1198	19.2400	38.5700	50.4100	0.7774		
30/10/2017	95.2717	0.7983	0.2579	1.0561	3.0951	284.4889	13.5000	38.6600	50.5000	0.7118		
31/10/2017	95.3072	0.7383	0.2421	0.9804	3.0208	284.8420	9.8400	38.7500	50.6000	0.5773		

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

<b>Mínimo</b>	94.8396	0.5906	0.2316	0.8292	2.5896	250.3890	4.4100	38.2900	50.1700	0.5533		
<b>Promedio</b>	95.5289	0.7447	0.2855	1.0302	2.9923	259.7953	17.3323	38.5190	50.4477	0.9295		
<b>Máximo</b>	96.1082	0.9321	0.3606	1.2520	3.4783	284.8420	20.2400	38.9900	50.8500	2.3336		
<b>Desv. Est.</b>	0.26893	0.08445	0.03233	0.10720	0.23048	11.77420	4.71804	0.16760	0.15433	0.48546		

Observaciones: **DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.**

## INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros Máximos diarios)

PERMISIONARIO: TRACTEBEL GNP, S.A. de C.V.  
 PUNTO DE MEDICIÓN: Nuevo Madero  
 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 <sup>3</sup> )	Poder Calorífico (MJ/m <sup>3</sup> )	Índice Wobbe (MJ/m <sup>3</sup> )	Acido Sulfhídrico (mg/m <sup>3</sup> )	Azufre total* (mg/m <sup>3</sup> )	Oxígeno* (% vol)
	84.0 MÍN.	3.0 MÁX.	4.0 MÁX.	4.0 MÁX.	11.0 MÁX.	271.15 MÁX	110.0 MÁX.	43.6 MÁX.	53.2 MÁX.	6.0 MÁX.	150.0 MÁX.	0.2 MÁX.
01/10/2017	95.4034	0.7023	0.3471	1.0466	3.3996	254.3224	10.4400	38.7900	50.6700	2.7119		
02/10/2017	95.1865	0.6871	0.2922	0.9768	3.6118	254.1088	10.5800	39.2400	51.0700	2.7569		
03/10/2017	95.2853	0.7387	0.3010	1.0089	3.4751	257.9581	9.9100	39.0200	50.8700	5.0096		
04/10/2017	95.7615	0.7785	0.2890	1.0464	3.3040	258.9916	42.9300	38.6300	50.5500	3.9283		
05/10/2017	95.7550	0.7125	0.2729	0.9846	3.5136	254.7085	20.2200	38.8900	50.8700	0.8217		
06/10/2017	95.4660	0.7503	0.2718	0.9972	3.7212	255.8518	19.6200	38.7500	50.6800	1.5425		
07/10/2017	96.1469	0.9212	0.3031	1.2106	3.5628	255.4169	43.9400	38.6800	50.5900	1.4434		
08/10/2017	96.3659	0.8015	0.2877	1.0784	2.7777	257.0404	44.9400	38.3900	50.3700	1.0920		
09/10/2017	96.1376	0.8142	0.2793	1.0867	3.1867	257.0335	44.2400	38.7000	50.7100	1.1551		
10/10/2017	95.8040	0.7344	0.2762	1.0065	3.3135	255.5226	41.5300	38.7300	50.7000	1.0740		
11/10/2017	96.2026	0.8552	0.3248	1.1488	3.1548	257.8134	41.6300	38.6500	50.6300	1.1190		
12/10/2017	95.9939	0.8677	0.3252	1.1754	3.0219	257.9509	42.9300	38.4300	50.4000	1.1100		
13/10/2017	95.8356	0.8850	0.3354	1.2040	3.1348	258.2637	44.4400	38.4700	50.4000	1.1731		
14/10/2017	95.7984	0.8362	0.3174	1.1461	3.2906	256.7928	20.5200	38.6800	50.6300	1.0199		
15/10/2017	95.5387	0.8175	0.3071	1.1106	3.5770	254.1665	20.1200	38.6900	50.5800	1.2092		
16/10/2017	95.7074	0.7908	0.2864	1.0683	3.2416	258.4546	20.5200	38.6700	50.5800	0.7947		
17/10/2017	95.8409	0.7712	0.3105	1.0649	3.0110	258.2584	24.2400	38.6300	50.5700	0.7316		
18/10/2017	96.0721	0.8730	0.3674	1.2130	3.3307	257.6599	44.0400	38.5700	50.5300	7.6246		
19/10/2017	95.9950	0.7961	0.3904	1.1625	2.9461	257.0125	45.2400	38.4900	50.4300	0.7046		
20/10/2017	95.7363	0.7705	0.3865	1.1349	3.2874	256.5765	23.3400	38.7400	50.6400	0.6956		
21/10/2017	95.7684	0.7413	0.3082	1.0308	3.0328	255.7288	19.4200	38.5900	50.5300	0.7586		
22/10/2017	95.9552	0.7415	0.3106	1.0429	3.0351	256.4819	41.6300	38.5900	50.5300	0.7947		
23/10/2017	95.5703	0.7150	0.3038	1.0127	3.1931	257.0145	19.3200	38.6600	50.6000	0.7406		
24/10/2017	95.6386	0.7987	0.3219	1.1006	3.6070	257.9195	19.3200	38.6500	50.5400	1.0650		
25/10/2017	95.7807	0.8612	0.3499	1.1961	3.0677	258.3029	31.6800	38.5500	50.4300	0.9028		
26/10/2017	96.1144	0.9725	0.3448	1.2893	3.1035	291.2902	39.8200	38.5000	50.3800	1.0109		
27/10/2017	95.9287	1.0229	0.3501	1.3483	3.3282	286.3069	30.4700	38.4300	50.2500	1.2812		
28/10/2017	95.9194	0.9929	0.3393	1.3079	2.7739	284.7861	44.9400	38.3700	50.2500	1.0289		
29/10/2017	95.8357	0.9356	0.3260	1.2541	3.3563	284.6273	22.0300	38.7100	50.5100	1.0199		
30/10/2017	95.5068	0.9164	0.2760	1.1682	3.8171	287.2000	321.6200	38.7800	50.5500	1.2182		
31/10/2017	95.5100	0.8160	0.2691	1.0779	3.1843	287.4723	10.4700	38.8100	50.6600	0.6956		

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

Mínimo	95.1865	0.6871	0.2691	0.9768	2.7739	254.1088	9.9100	38.3700	50.2500	0.6956		
Promedio	95.7923	0.8199	0.3152	1.1194	3.2697	262.6140	39.2287	38.6606	50.5710	1.5559		
Máximo	96.3659	1.0229	0.3904	1.3483	3.8171	291.2902	321.6200	39.2400	51.0700	7.6246		
Desv. Est.	0.27491	0.08828	0.03302	0.09981	0.25849	12.22739	53.92195	0.18105	0.17304	1.48695		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.

## INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros Mínimos diarios)

PERMISIONARIO: TRACTEBEL GNP, S.A. de C.V.  
 PUNTO DE MEDICIÓN: Nuevo Madero  
 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 <sup>3</sup> )	Poder Calorífico (MJ/m <sup>3</sup> )	Índice Wobbe (MJ/m <sup>3</sup> )	Acido Sulfhídrico (mg/m <sup>3</sup> )	Azufre total* (mg/m <sup>3</sup> )	Oxígeno* (% vol)
	84.0 MÍN.	3.0 MÁX.	4.0 MÁX.	4.0 MÁX.	11.0 MÁX.	271.15 MÁX	110.0 MÁX.	37.3 MÍN.	48.2 MÍN.	6.0 MÁX.	150.0 MÁX.	0.2 MÁX.
01/10/2017	94.9783	0.6061	0.2740	0.9273	3.0370	251.9056	2.0800	38.5900	50.5200	1.4504		
02/10/2017	94.5691	0.4956	0.1976	0.6932	3.2056	250.7976	3.0500	38.7100	50.5900	1.9460		
03/10/2017	94.8045	0.5814	0.2248	0.8084	3.1628	250.8876	3.7900	38.6300	50.5400	1.9460		
04/10/2017	95.2582	0.6758	0.2474	0.9476	2.9021	252.2380	4.3200	38.4500	50.4300	0.6055		
05/10/2017	95.1666	0.4961	0.1967	0.6927	2.9250	250.1629	8.7600	38.4600	50.4500	0.5424		
06/10/2017	94.8556	0.6044	0.2346	0.8539	3.1932	247.9486	17.0000	38.6400	50.5400	0.7046		
07/10/2017	95.0578	0.7017	0.2354	0.9421	2.5592	248.5092	8.7600	38.2700	50.1900	0.7947		
08/10/2017	95.8537	0.6965	0.2594	0.9681	2.3786	253.8457	10.0700	38.2300	50.2800	0.6415		
09/10/2017	95.5079	0.5535	0.2113	0.7805	2.5500	250.8630	10.7700	38.2400	50.2500	0.6505		
10/10/2017	95.3537	0.5633	0.2080	0.7922	2.8401	249.8622	14.0900	38.4200	50.4000	0.6325		
11/10/2017	95.4781	0.6248	0.2237	0.8510	2.5021	252.3856	8.8600	38.2300	50.2200	0.6325		
12/10/2017	95.5658	0.7120	0.2832	1.0103	2.6586	253.4880	8.4600	38.2200	50.2100	0.7496		
13/10/2017	95.3976	0.7337	0.2970	1.0372	2.7854	254.7490	9.4700	38.2900	50.2300	0.7767		
14/10/2017	95.3095	0.6216	0.2332	0.8733	2.8008	252.3292	8.2600	38.3200	50.2700	0.6775		
15/10/2017	94.8500	0.6216	0.2652	0.8968	3.0255	250.4769	17.2100	38.4700	50.4000	0.6956		
16/10/2017	95.1886	0.6731	0.2501	0.9243	2.7903	252.5320	8.5600	38.4600	50.3900	0.4343		
17/10/2017	95.4953	0.6658	0.2485	0.9189	2.7125	254.3701	9.2700	38.4100	50.3700	0.4252		
18/10/2017	95.2214	0.6704	0.2890	0.9611	2.5372	254.1523	9.4700	38.2100	50.2000	0.5514		
19/10/2017	95.5354	0.6826	0.3427	1.0477	2.5952	255.2880	8.6600	38.2500	50.2400	0.4433		
20/10/2017	95.1254	0.6308	0.2735	0.9323	2.8102	252.6110	9.2700	38.3300	50.2900	0.4883		
21/10/2017	95.4946	0.6658	0.2730	0.9553	2.7677	253.3804	18.2100	38.4500	50.4200	0.4613		
22/10/2017	95.4539	0.6794	0.2784	0.9687	2.6337	253.8980	18.0100	38.3800	50.3700	0.5063		
23/10/2017	95.3049	0.6443	0.2737	0.9287	2.9333	252.7224	17.3100	38.5500	50.5000	0.4523		
24/10/2017	94.8922	0.6872	0.2747	0.9651	2.8543	253.2095	17.4100	38.5000	50.4000	0.4883		
25/10/2017	95.3181	0.7638	0.3025	1.0823	2.7285	252.8527	11.0700	38.3100	50.2400	0.6595		
26/10/2017	95.2899	0.7845	0.3030	1.1060	2.4318	253.5016	9.3700	38.2400	50.1400	0.6145		
27/10/2017	95.0379	0.8840	0.2684	1.1757	2.5323	282.2957	9.8700	38.2700	50.1400	0.7676		
28/10/2017	95.6755	0.8776	0.2965	1.1748	2.5565	282.4652	8.8600	38.2000	50.0900	0.6775		
29/10/2017	94.9840	0.7624	0.2606	1.0371	2.6499	279.9919	18.3100	38.2900	50.1800	0.6145		
30/10/2017	94.4969	0.7438	0.2461	1.0035	2.8459	282.2166	18.3100	38.5900	50.4300	0.5694		
31/10/2017	95.0961	0.6922	0.2302	0.9303	2.8766	282.9591	9.2700	38.6400	50.4900	0.4523		

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

Mínimo	94.4969	0.4956	0.1967	0.6927	2.3786	247.9486	2.0800	38.2000	50.0900	0.4252		
Promedio	95.2134	0.6708	0.2581	0.9415	2.7672	257.0611	10.8445	38.3952	50.3358	0.7114		
Máximo	95.8537	0.8840	0.3427	1.1757	3.2056	282.9591	18.3100	38.7100	50.5900	1.9460		
Desv. Est.	0.31416	0.09022	0.03407	0.11695	0.21828	11.24792	4.74250	0.15314	0.13723	0.37904		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.