

**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>
01/04/2018	96.3622	0.7155	0.2101	0.9256	2.4521	261.1990	19.6500	38.2900	50.3700	0.4713		
02/04/2018	96.5880	0.8054	0.1935	0.9988	2.1991	261.8703	20.0800	38.1700	50.2500	0.5785		
03/04/2018	96.3499	0.7441	0.2328	0.9769	2.4285	258.0729	19.7500	38.2600	50.3200	0.7011		
04/04/2018	96.2813	0.6680	0.2137	0.8816	2.5980	259.9543	19.4800	38.3300	50.4300	0.6342		
05/04/2018	96.2859	0.6862	0.2401	0.9263	2.5422	255.7446	18.9000	38.3000	50.3900	0.5202		
06/04/2018	96.1563	0.7118	0.2306	0.9424	2.6253	260.1178	19.3800	38.3500	50.4000	0.6655		
07/04/2018	96.1880	0.6734	0.2334	0.9069	2.6321	261.0742	19.8800	38.3600	50.4300	0.6095		
08/04/2018	96.2969	0.6719	0.2342	0.9060	2.5339	259.1063	21.6500	38.3300	50.4100	0.5352		
09/04/2018	96.1669	0.9486	0.2755	1.2242	2.3670	262.9549	21.6600	38.1600	50.1100	0.7600		
10/04/2018	96.0583	1.0046	0.2762	1.2808	2.4423	262.8357	19.9500	38.1500	50.0500	0.7895		
11/04/2018	96.0307	0.9261	0.2834	1.2096	2.4826	267.3499	20.0300	38.2300	50.1600	0.8776		
12/04/2018	95.8134	0.9114	0.2929	1.2043	2.6792	273.1613	20.3000	38.3400	50.2300	0.8711		
13/04/2018	95.5487	1.0578	0.2866	1.3444	2.8157	266.1750	19.6300	38.3000	50.1000	1.1672		
14/04/2018	95.7463	0.7874	0.2279	1.0153	2.9420	266.1633	18.7700	38.4500	50.4100	0.8167		
15/04/2018	95.3976	0.7630	0.2433	1.0063	3.0990	268.7530	19.3700	38.6400	50.5200	0.6531		
16/04/2018	95.2095	0.7864	0.2337	1.0201	3.1353	270.7174	19.1600	38.7200	50.5500	0.5700		
17/04/2018	95.0313	0.7443	0.2195	0.9639	3.2650	267.3658	18.9400	38.8300	50.6600	0.5451		
18/04/2018	95.1250	0.7637	0.2410	1.0047	3.1950	267.8769	19.0100	38.7600	50.5900	0.5931		
19/04/2018	95.2057	0.7440	0.2370	0.9810	3.1197	264.8963	19.1400	38.7500	50.6000	0.4806		
20/04/2018	95.4230	0.8611	0.2401	1.1011	2.9236	269.6737	20.2200	38.5800	50.4200	0.6402		
21/04/2018	95.3614	0.7746	0.2428	1.0174	2.9665	270.8645	19.6200	38.6900	50.5400	0.5110		
22/04/2018	95.4101	0.7967	0.2232	1.0200	2.8770	269.9002	19.2400	38.6900	50.5300	0.4965		
23/04/2018	95.2696	0.8039	0.2468	1.0507	2.9575	268.2471	19.7300	38.7100	50.5300	0.5536		
24/04/2018	95.3448	0.8262	0.2244	1.0506	2.9438	263.6053	19.8000	38.6600	50.5000	0.5842		
25/04/2018	95.0646	0.7632	0.2272	0.9904	3.1773	266.4986	19.5600	38.8200	50.6300	0.6955		
26/04/2018	95.3351	0.8529	0.2117	1.0646	2.9873	267.5879	19.8800	38.6400	50.4800	0.7469		
27/04/2018	95.2435	0.8554	0.1953	1.0507	2.9852	267.3460	19.3300	38.7200	50.5200	0.6097		
28/04/2018	95.4883	0.8852	0.2153	1.1005	2.8245	268.9936	19.3200	38.5700	50.4100	0.6816		
29/04/2018	95.7001	0.9047	0.2180	1.1227	2.6940	270.1375	19.3400	38.4600	50.3300	0.6948		
30/04/2018	95.6669	0.9094	0.2130	1.1223	2.6703	271.4984	19.5900	38.5000	50.3500	0.7280		

\*/ 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>	95.0313	0.6680	0.1935	0.8816	2.1991	255.7446	18.7700	38.1500	50.0500	0.4713		
<b>Promedio</b>	95.7050	0.8116	0.2354	1.0470	2.7854	265.6581	19.6787	38.4920	50.4073	0.6594		
<b>Máximo</b>	96.5880	1.0578	0.2929	1.3444	3.2650	273.1613	21.6600	38.8300	50.6600	1.1672		
<b>Desv. Est.</b>	0.46824	0.09954	0.02543	0.11429	0.28240	4.47400	0.66297	0.21655	0.15963	0.14678		

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)
	<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>43.6 MÁX.</b>	<b>53.2 MÁX.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/04/2018	96.5958	0.9057	0.2404	1.1075	2.9933	298.9513	20.9200	38.7900	50.8500	0.7947		
02/04/2018	96.8204	1.2157	0.2279	1.3992	2.3362	299.5256	26.3500	38.3900	50.3600	1.1371		
03/04/2018	96.6200	0.7822	0.2403	1.0220	2.5436	299.4641	43.7400	38.4300	50.4300	0.8217		
04/04/2018	96.4804	0.8388	0.2469	1.0857	2.7280	298.8068	20.9200	38.4500	50.5000	0.8307		
05/04/2018	96.4164	0.7654	0.2593	1.0149	2.7247	299.0747	44.4400	38.6000	50.6000	0.7676		
06/04/2018	96.2907	0.7987	0.2567	1.0471	2.7221	300.3706	20.7200	38.5900	50.4800	0.7857		
07/04/2018	96.3684	0.7283	0.2507	0.9587	2.8780	299.1782	39.1100	38.5600	50.5700	0.8487		
08/04/2018	96.5389	0.8846	0.3042	1.1877	2.9523	299.6946	22.8300	38.5800	50.5600	0.8848		
09/04/2018	96.5379	0.9944	0.3137	1.2693	2.5137	300.2062	47.3600	38.3000	50.2100	0.9298		
10/04/2018	96.1398	1.0466	0.3816	1.3801	2.5641	299.4691	31.2800	38.3700	50.2000	0.9839		
11/04/2018	96.1520	0.9970	0.3055	1.2620	2.6776	300.8311	24.1400	38.4000	50.2600	1.0380		
12/04/2018	95.9625	1.0573	0.3171	1.3611	3.4269	300.9469	36.5000	38.5200	50.3400	1.6146		
13/04/2018	95.7991	1.1334	0.3103	1.4335	3.4335	300.1732	20.9200	38.5900	50.2700	1.7498		
14/04/2018	96.5330	1.0522	0.3469	1.3338	3.2898	300.4785	322.6200	38.5900	50.5100	29.6912		
15/04/2018	95.8100	0.9335	0.2875	1.2203	3.6478	300.5376	22.1300	38.9800	51.1500	0.9208		
16/04/2018	95.3663	0.8303	0.2574	1.0785	3.2649	300.3574	20.7200	38.9500	50.6900	0.7316		
17/04/2018	95.2287	0.7971	0.2470	1.0318	3.9093	300.0176	20.3200	39.5600	51.3400	29.6912		
18/04/2018	95.3561	0.8237	0.2651	1.0775	3.3253	299.8028	20.0200	39.0100	50.7400	0.6865		
19/04/2018	95.4303	0.8314	0.2499	1.0790	3.3391	299.5102	24.5400	39.0300	50.7600	0.6595		
20/04/2018	95.5890	0.9505	0.2714	1.1836	3.5127	299.8127	44.9400	39.2500	51.0600	0.8668		
21/04/2018	95.5239	0.8374	0.2664	1.0868	3.2095	299.5952	33.7900	38.8500	50.6800	0.6415		
22/04/2018	95.6311	0.8428	0.2651	1.0895	3.0672	299.7568	20.9200	38.8100	50.6400	0.5874		
23/04/2018	95.7085	0.8549	0.5573	1.3694	3.8120	299.5760	20.9200	39.4700	51.1000	0.6595		
24/04/2018	95.5816	0.8693	0.2418	1.0947	3.2690	299.4134	24.2400	38.8400	50.6000	0.7406		
25/04/2018	95.5125	0.8042	0.2487	1.0420	3.4008	299.3842	21.1200	38.9200	50.7200	0.9208		
26/04/2018	95.5480	0.9093	0.2305	1.1206	3.6165	299.7393	21.2300	39.0100	50.7100	1.1461		
27/04/2018	95.5706	0.9134	0.2166	1.1185	3.0886	299.9255	20.5200	38.7900	50.6200	0.7496		
28/04/2018	95.7153	0.9314	0.2334	1.1499	3.3030	300.1447	32.5800	38.9500	50.6500	0.8397		
29/04/2018	95.7928	0.9543	0.2369	1.1610	2.8241	300.2676	45.6500	38.7100	50.4900	0.7947		
30/04/2018	95.7231	0.9714	0.2319	1.1776	2.7286	300.5626	20.5200	38.6600	50.4400	0.8938		

\*/ 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>	95.2287	0.7283	0.2166	0.9587	2.3362	298.8068	20.0200	38.3000	50.2000	0.5874		
<b>Promedio</b>	95.9448	0.9085	0.2769	1.1648	3.1034	299.8525	37.8670	38.7650	50.6177	2.8136		
<b>Máximo</b>	96.8204	1.2157	0.5573	1.4335	3.9093	300.9469	322.6200	39.5600	51.3400	29.6912		
<b>Desv. Est.</b>	0.46550	0.11352	0.06523	0.13024	0.41031	0.54632	54.58993	0.31274	0.27661	7.31050		

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.
01/04/2018	95.9675	0.4461	0.1696	0.6194	2.0919	221.9551	17.4100	38.0600	50.1100	0.2540		
02/04/2018	96.3115	0.6895	0.1669	0.8780	1.7150	223.3175	18.1100	37.9000	49.8100	0.4072		
03/04/2018	96.2360	0.7092	0.2248	0.9364	2.2298	222.6635	17.2100	38.1600	50.2700	0.5514		
04/04/2018	96.1374	0.5961	0.1938	0.8032	2.2711	223.7719	17.5100	38.1800	50.2100	0.3892		
05/04/2018	96.0102	0.6326	0.2217	0.8604	2.4386	223.8765	17.0000	38.2300	50.3400	0.3892		
06/04/2018	95.8660	0.6567	0.2184	0.8931	2.5174	225.1135	8.1600	38.2900	50.3100	0.5244		
07/04/2018	95.9830	0.6207	0.2005	0.8212	2.5279	229.3862	18.1100	38.2800	50.3700	0.4523		
08/04/2018	95.7774	0.6060	0.2118	0.8203	2.0607	224.9087	20.0200	38.0300	50.0600	0.4252		
09/04/2018	96.0157	0.8827	0.2581	1.1789	2.0636	224.7336	19.9200	38.0300	50.0400	0.5874		
10/04/2018	95.9252	0.9585	0.2497	1.2179	2.3939	221.7318	17.9100	38.0700	50.0100	0.5964		
11/04/2018	95.8435	0.8701	0.2538	1.1604	2.3823	226.5624	10.3700	38.0900	50.0400	0.7316		
12/04/2018	94.9112	0.8685	0.2778	1.1581	2.5528	232.0200	17.4100	38.2000	50.1500	0.7046		
13/04/2018	94.9165	0.9654	0.2669	1.2698	2.6156	223.7464	17.5100	38.1700	50.0300	0.9478		
14/04/2018	95.3737	0.7156	0.2041	0.9364	2.0939	227.3296	14.4900	38.1500	50.0500	0.3171		
15/04/2018	94.9718	0.2414	0.0986	0.3400	2.7455	225.4485	14.4900	38.3300	50.2100	0.3171		
16/04/2018	94.9804	0.7560	0.2232	0.9897	2.9937	255.3722	17.5100	38.6200	50.4600	0.4703		
17/04/2018	94.2590	0.3960	0.1281	0.5242	3.0870	234.6345	16.9000	38.7200	50.5600	0.3171		
18/04/2018	94.9154	0.7165	0.2239	0.9547	3.0079	234.6345	14.3900	38.6400	50.4800	0.4613		
19/04/2018	94.8898	0.6770	0.2269	0.9047	2.9412	242.0535	16.9000	38.5900	50.4400	0.2360		
20/04/2018	94.6931	0.5368	0.1589	0.6957	2.7931	244.7883	14.6900	38.4500	50.3200	0.3081		
21/04/2018	95.0293	0.7067	0.2148	0.9218	2.7950	256.1079	11.1800	38.5500	50.4100	0.3532		
22/04/2018	95.1567	0.7457	0.2019	0.9622	2.7303	256.0652	17.0000	38.5400	50.4200	0.3712		
23/04/2018	93.8359	0.4764	0.1668	0.9014	2.6612	237.4225	16.0000	38.5500	50.3400	0.4433		
24/04/2018	94.9570	0.7697	0.2135	0.9928	2.7417	224.8949	18.4100	38.5300	50.4200	0.4433		
25/04/2018	94.7941	0.7230	0.2099	0.9356	2.8323	258.5134	18.2100	38.5900	50.4700	0.4523		
26/04/2018	94.6731	0.7926	0.1914	1.0041	2.8036	261.0762	18.4100	38.5400	50.3800	0.5964		
27/04/2018	95.1024	0.7745	0.1832	0.9681	2.7692	264.0157	17.1000	38.5300	50.3800	0.5153		
28/04/2018	94.9711	0.8160	0.1942	1.0349	2.6734	259.4249	18.0100	38.4700	50.3500	0.5424		
29/04/2018	95.4925	0.8647	0.1947	1.0912	2.6298	266.3036	18.1100	38.4300	50.2900	0.6145		
30/04/2018	95.5753	0.8531	0.1927	1.0591	2.6152	268.3716	9.7700	38.4600	50.3000	0.6325		

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<b>Mínimo</b>	93.8359	0.2414	0.0986	0.3400	1.7150	221.7318	8.1600	37.9000	49.8100	0.2360		
<b>Promedio</b>	95.3191	0.7021	0.2047	0.9278	2.5592	238.0081	16.2740	38.3460	50.2677	0.4784		
<b>Máximo</b>	96.3115	0.9654	0.2778	1.2698	3.0870	268.3716	20.0200	38.7200	50.5600	0.9478		
<b>Desv. Est.</b>	0.62418	0.16547	0.03864	0.19911	0.32929	16.21997	2.92437	0.22660	0.17963	0.15557		

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