

Anexo 1

**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)
	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.
01/04/2016	95.2363	0.9339	0.2132	1.1471	3.2991	258.5064	4.6800	38.4800	50.3300	1.1909		
02/04/2016	95.5414	0.8960	0.2127	1.1087	3.0163	259.8107	6.1700	38.4300	50.3300	1.0549		
03/04/2016	95.5829	0.8900	0.2120	1.1020	2.9995	259.1825	5.8000	38.4200	50.3200	1.0435		
04/04/2016	95.3625	0.9322	0.2198	1.1520	3.1694	259.8948	4.4900	38.4500	50.3100	1.1653		
05/04/2016	95.3188	0.9131	0.2281	1.1413	3.1889	260.0029	3.9800	38.4800	50.3300	1.2259		
06/04/2016	95.4713	0.8672	0.2283	1.0954	3.1091	260.2458	3.2000	38.4500	50.3600	1.1652		
07/04/2016	95.3516	0.9037	0.2287	1.1325	3.1950	260.2745	16.9400	38.4600	50.3300	1.2596		
08/04/2016	95.4259	0.9018	0.2262	1.1279	3.1171	260.2982	19.8200	38.4600	50.3300	1.1522		
09/04/2016	95.5863	0.9025	0.2258	1.1283	2.9466	259.8300	19.8600	38.4100	50.3000	1.0791		
10/04/2016	95.7839	0.8704	0.2228	1.0932	2.8101	258.6302	19.7900	38.3600	50.3000	1.0433		
11/04/2016	95.7503	0.8827	0.2267	1.1094	2.8184	259.4085	20.3700	38.3600	50.2900	1.1350		
12/04/2016	95.7893	0.9044	0.2223	1.1268	2.7698	259.2966	20.4300	38.4000	50.2600	1.1350		
13/04/2016	95.7893	0.9044	0.2223	1.1268	2.7698	259.2966	20.4300	38.3400	50.2600	1.1350		
14/04/2016	95.5267	0.9220	0.2195	1.1415	3.0023	260.6741	20.0200	38.4200	50.2900	1.0838		
15/04/2016	95.4717	0.8898	0.2271	1.1169	3.0553	260.0797	19.8700	38.4600	50.3400	7.1113		
16/04/2016	95.6856	0.8725	0.2290	1.1016	2.8624	260.9552	20.3900	38.4100	50.3200	7.5051		
17/04/2016	95.7429	0.8475	0.2231	1.0706	2.8561	260.0042	20.7700	38.4000	50.3300	7.5265		
18/04/2016	95.7632	0.8390	0.2237	1.0629	2.8353	262.2758	20.7700	38.4100	50.3500	0.8625		
19/04/2016	95.9415	0.8059	0.2158	1.0217	2.7123	261.5318	9.1100	38.3800	50.3600	5.9670		
20/04/2016	96.0280	0.7938	0.2176	1.0114	2.6381	259.6825	20.5400	38.3500	50.3500	1.9781		
21/04/2016	95.8746	0.8203	0.2170	1.0372	2.7812	259.0431	20.3700	38.3700	50.3500	1.2459		
22/04/2016	95.5623	0.8419	0.2261	1.0680	3.0507	259.5031	20.2400	38.4500	50.3600	1.3523		
23/04/2016	95.6467	0.8230	0.2261	1.0491	2.9530	259.3722	20.1800	38.4500	50.3800	1.1423		
24/04/2016	95.8747	0.7847	0.2197	1.0043	2.7828	259.6996	20.6900	38.4100	50.3900	1.0538		
25/04/2016	95.8261	0.8167	0.2215	1.0382	2.8030	259.7376	20.9900	38.3900	50.3600	1.2615		
26/04/2016	95.8748	0.7959	0.2183	1.0143	2.7858	259.9655	21.2900	38.4000	50.3700	1.2330		
27/04/2016	95.7532	0.7943	0.2294	1.0237	2.8750	260.9572	21.5300	38.4400	50.3900	1.3086		
28/04/2016	95.5768	0.7980	0.2395	1.0375	3.0132	261.8516	21.1300	38.4900	50.4200	1.2925		
29/04/2016	95.6562	0.8179	0.2378	1.0556	2.8901	262.6388	21.1500	38.4700	50.3900	1.1248		
30/04/2016	95.6869	0.8205	0.2261	1.0466	2.8874	263.8133	21.3600	38.4600	50.3900	1.1774		

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

Mínimo	95.2363	0.7847	0.2120	1.0043	2.6381	258.5064	3.2000	38.3400	50.2600	0.8625		
Promedio	95.6494	0.8595	0.2235	1.0831	2.9331	260.2154	16.8787	38.4220	50.3397	1.9670		
Máximo	96.0280	0.9339	0.2395	1.1520	3.2991	263.8133	21.5300	38.4900	50.4200	7.5265		
Desv. Est.	0.19713	0.04734	0.00649	0.04661	0.16295	1.19754	6.57873	0.04156	0.03899	2.04026		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE

Anexo 1

**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.
01/04/2016	95.5331	1.0091	0.2224	1.2277	3.5450	260.8757	26.5500	38.5300	50.3700	1.4164		
02/04/2016	95.6953	0.9396	0.2445	1.1518	3.1873	261.9707	34.5900	38.5100	50.4000	1.2632		
03/04/2016	95.6976	0.9525	0.2329	1.1710	3.2432	260.2032	34.8900	38.4800	50.3600	1.1911		
04/04/2016	95.5769	0.9791	0.2362	1.2147	3.3375	261.1694	32.2800	38.5000	50.3600	1.3443		
05/04/2016	95.7103	1.0022	0.2373	1.2286	3.5212	261.0562	93.1800	38.5600	50.3900	1.5696		
06/04/2016	95.6253	0.9077	0.2394	1.1401	3.3852	261.2544	11.4800	38.5400	50.4100	2.0291		
07/04/2016	95.4886	0.9555	0.2366	1.1919	3.4015	261.7310	44.8400	38.5200	50.3800	2.0291		
08/04/2016	95.5785	0.9534	0.2364	1.1867	3.2446	262.0869	41.0200	38.5000	50.3700	1.3804		
09/04/2016	95.8058	1.0053	0.2434	1.2292	3.0904	261.2248	42.5300	38.5000	50.3600	1.2993		
10/04/2016	95.9267	0.9128	0.2359	1.1401	2.9732	259.9450	43.8400	38.4100	50.3300	1.1731		
11/04/2016	95.9715	0.9599	0.3194	1.2499	3.0951	260.6260	45.4500	38.4100	50.3200	1.3353		
12/04/2016	95.9680	0.9477	0.2312	1.1690	3.0657	284.2894	45.5500	38.5600	50.4500	1.3263		
13/04/2016	95.7893	0.9044	0.2223	1.1268	2.7698	259.2966	44.8400	38.3400	50.2600	1.3263		
14/04/2016	95.7893	0.9769	0.2665	1.1953	3.2484	261.4764	45.2400	38.4800	50.3400	7.4264		
15/04/2016	95.6786	0.9416	0.2557	1.1646	3.2700	260.8380	45.1400	38.5200	50.4000	7.5075		
16/04/2016	95.9585	0.9896	0.2548	1.2301	3.0586	261.9133	45.6500	38.4900	50.3600	7.5345		
17/04/2016	95.8946	0.8765	0.2348	1.1079	2.9669	261.1289	45.8500	38.4600	50.3900	7.5615		
18/04/2016	95.8483	0.8970	0.2290	1.1231	2.9696	263.4160	45.3500	38.4300	50.3600	7.5885		
19/04/2016	96.1064	0.8505	0.2268	1.0678	2.8567	263.4160	91.2700	38.4200	50.4000	7.5615		
20/04/2016	96.1732	0.8398	0.2342	1.0510	2.8176	261.0644	43.2300	38.4300	50.3900	7.4804		
21/04/2016	96.0817	0.8748	0.2314	1.0835	3.0824	259.8793	44.8400	38.4400	50.4100	1.4524		
22/04/2016	96.0450	0.8840	0.2419	1.1106	3.3330	260.5736	43.9400	38.5300	50.4100	1.5155		
23/04/2016	95.9567	0.8739	0.2359	1.1056	3.1747	260.5597	44.2400	38.5300	50.4400	1.4164		
24/04/2016	96.0267	0.8129	0.2280	1.0342	2.9923	260.8495	44.8400	38.4900	50.4500	1.2092		
25/04/2016	95.9645	0.8973	0.2328	1.1215	2.8793	260.6341	45.4500	38.4200	50.4000	1.5425		
26/04/2016	96.1061	0.8450	0.2374	1.0581	2.9403	260.7164	93.2800	38.4400	50.4100	1.4434		
27/04/2016	95.9286	0.8531	0.2471	1.0799	3.0354	263.3140	29.4700	38.5200	50.4400	1.6146		
28/04/2016	95.7139	0.8571	0.2500	1.0954	3.1986	265.6271	44.8400	38.6200	50.4900	1.6417		
29/04/2016	95.8502	0.8601	0.2503	1.1035	3.1661	264.7832	22.8300	38.6000	50.4700	1.3173		
30/04/2016	95.8018	0.8712	0.2398	1.1040	2.9937	264.9019	25.5500	38.5000	50.4300	1.3353		

\*/ 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>	95.4886	0.8129	0.2223	1.0342	2.7698	259.2966	11.4800	38.3400	50.2600	1.1731		
<b>Promedio</b>	95.8430	0.9144	0.2411	1.1421	3.1281	262.3607	44.7350	38.4893	50.3917	2.8611		
<b>Máximo</b>	96.1732	1.0091	0.3194	1.2499	3.5450	284.2894	93.2800	38.6200	50.4900	7.5885		
<b>Desv. Est.</b>	0.18498	0.05597	0.01780	0.06045	0.19980	4.41554	18.35356	0.06102	0.04749	2.62324		

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

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**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.
01/04/2016	94.9652	0.8680	0.2042	1.0798	3.0866	256.9609	0.1200	38.4300	50.2600	0.9388		
02/04/2016	95.3809	0.8538	0.2022	1.0642	2.8826	258.0362	0.1200	38.3700	50.2800	0.9028		
03/04/2016	95.2677	0.8510	0.2001	1.0622	2.9065	258.5086	0.1200	38.3800	50.2800	0.8668		
04/04/2016	95.1285	0.8750	0.2082	1.0878	3.0045	258.8389	0.1200	38.4100	50.2700	0.9478		
05/04/2016	94.9369	0.8581	0.2168	1.0839	2.8693	258.9116	0.1200	38.3900	50.2800	0.9478		
06/04/2016	95.1897	0.8271	0.2182	1.0579	2.9899	259.4408	0.1200	38.4200	50.3100	0.9839		
07/04/2016	95.0732	0.8663	0.2179	1.0945	3.0793	259.2250	1.9300	38.4400	50.2900	1.0199		
08/04/2016	95.2481	0.8659	0.2133	1.0915	2.9888	258.7796	8.8600	38.3900	50.2600	0.9388		
09/04/2016	95.3715	0.8598	0.2167	1.0813	2.7638	258.3836	8.7600	38.3600	50.2200	0.9118		
10/04/2016	95.6249	0.8299	0.2138	1.0512	2.7154	257.3956	8.4600	38.3300	50.2600	0.9028		
11/04/2016	95.3844	0.8429	0.2129	1.0602	2.6325	254.3380	9.4700	38.3200	50.2200	0.9929		
12/04/2016	95.4947	0.8056	0.2104	1.0228	2.6788	259.2966	9.5700	38.3400	50.2600	0.9929		
13/04/2016	95.7893	0.9044	0.2223	1.1268	2.7698	259.2966	13.2900	38.3400	50.2600	0.9929		
14/04/2016	95.2516	0.8731	0.2039	1.0892	2.7698	259.2966	8.8600	38.3400	50.2500	0.9929		
15/04/2016	95.2241	0.8303	0.2076	1.0513	2.8677	258.8758	8.4600	38.3700	50.2700	1.2272		
16/04/2016	95.4221	0.8328	0.2095	1.0466	2.6685	259.8643	8.8600	38.3500	50.2200	7.4534		
17/04/2016	95.6185	0.8122	0.2110	1.0240	2.7165	258.8642	9.3700	38.3500	50.3000	7.4894		
18/04/2016	95.5979	0.8177	0.2136	1.0416	2.7445	259.2482	9.3700	38.3600	50.2900	7.4894		
19/04/2016	95.7641	0.7550	0.2046	0.9606	2.6020	259.5835	9.3700	38.3400	50.3200	7.4894		
20/04/2016	95.8177	0.7484	0.2073	0.9690	2.5224	258.5373	8.7600	38.3100	50.3100	7.4894		
21/04/2016	95.6056	0.7697	0.2063	0.9861	2.5431	258.0161	9.8700	38.3300	50.3000	0.8848		
22/04/2016	95.2692	0.7568	0.2142	0.9710	2.6630	258.2641	8.8600	38.3700	50.3100	1.0380		
23/04/2016	95.3958	0.7813	0.2122	0.9986	2.6862	257.7176	9.2700	38.3600	50.3200	0.9388		
24/04/2016	95.6132	0.7532	0.2100	0.9685	2.6451	258.5512	9.1700	38.3600	50.3400	0.9118		
25/04/2016	95.6895	0.7607	0.2085	0.9814	2.7064	258.8058	8.6600	38.3500	50.2900	0.9118		
26/04/2016	95.6745	0.7612	0.2076	0.9777	2.5885	259.0425	11.2800	38.3400	50.3400	0.9118		
27/04/2016	95.5424	0.7523	0.2060	0.9762	2.7582	259.5258	17.1000	38.3900	50.3400	1.0560		
28/04/2016	95.3391	0.7640	0.2279	0.9987	2.8278	261.0066	11.8800	38.4400	50.3600	0.9929		
29/04/2016	95.2843	0.7719	0.2241	1.0026	2.7384	261.7261	18.5100	38.4100	50.3200	0.9659		
30/04/2016	95.5650	0.7730	0.2116	0.9874	2.8142	262.3322	13.6900	38.4200	50.3300	0.9659		

\*/ 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>	94.9369	0.7484	0.2001	0.9606	2.5224	254.3380	0.1200	38.3100	50.2200	0.8668		
<b>Promedio</b>	95.4177	0.8140	0.2114	1.0332	2.7743	258.8890	8.0800	38.3703	50.2887	2.0516		
<b>Máximo</b>	95.8177	0.9044	0.2279	1.1268	3.0866	262.3322	18.5100	38.4400	50.3600	7.4894		
<b>Desv. Est.</b>	0.23839	0.04766	0.00648	0.04822	0.15084	1.41261	4.94929	0.03634	0.03711	2.47104		

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

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