

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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)	Azufre total* (mg/m ³)	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.
01/08/2019	93.9611	0.8134	0.2590	1.0723	4.6200	263.5677	20.9200	38.9787	50.6982	1.1349		
02/08/2019	93.9848	0.8015	0.2565	1.0580	4.5842	263.0106	20.9200	38.9868	50.7121	1.1349		
03/08/2019	93.9710	0.8226	0.2428	1.0654	4.4720	262.8405	20.9200	38.9900	50.6800	1.1349		
04/08/2019	93.9748	0.7788	0.2250	1.0038	4.4585	262.4215	22.0500	39.0600	50.7600	1.0820		
05/08/2019	93.6303	0.7941	0.2189	1.0130	4.7865	262.4112	21.6000	39.1500	50.8000	1.1796		
06/08/2019	93.7080	0.7437	0.2216	0.9652	4.7104	262.3102	21.3800	39.1800	50.8500	1.1291		
07/08/2019	93.7917	0.7346	0.2373	0.9719	4.7896	262.2065	21.2700	39.0900	50.8100	1.1189		
08/08/2019	93.6563	0.7520	0.2305	0.9825	4.9039	262.0168	20.9900	39.1200	50.8100	1.2449		
09/08/2019	93.7128	0.8251	0.2530	1.0780	4.8050	264.2057	21.3700	39.0300	50.7000	1.0925		
10/08/2019	94.0242	0.7319	0.4024	1.1344	4.4609	263.2962	22.3300	38.9000	50.6100	1.0296		
11/08/2019	94.2810	0.7494	0.4691	1.2185	4.1667	263.5207	23.8000	38.7500	50.4900	1.0775		
12/08/2019	93.9827	0.6990	0.4120	1.1110	4.5037	261.8082	22.0600	38.9100	50.6400	1.2160		
13/08/2019	94.0838	0.6511	0.4498	1.1008	4.3656	263.6145	22.5900	38.9300	50.6700	0.9388		
14/08/2019	94.0039	0.6652	0.3821	1.0473	4.5134	263.1128	22.1700	38.9700	50.7100	1.1293		
15/08/2019	93.9419	0.5970	0.4954	1.0924	4.4508	263.2843	21.4700	38.9900	50.7200	0.9710		
16/08/2019	93.8571	0.6420	0.4943	1.1363	4.4244	263.7690	21.8200	39.0100	50.7000	0.9793		
17/08/2019	93.9588	0.6525	0.4985	1.1510	4.3381	264.2794	20.9400	38.9600	50.6600	0.8326		
18/08/2019	94.0712	0.7031	0.4879	1.1911	4.2423	264.3757	22.3400	38.8800	50.5900	0.8888		
19/08/2019	94.0620	0.6692	0.4517	1.1209	4.2803	263.6587	21.3700	38.9600	50.6700	1.0634		
20/08/2019	93.8471	0.6625	0.4470	1.1095	4.4406	264.8377	21.5900	39.0400	50.7300	1.1391		
21/08/2019	93.7510	0.6334	0.4130	1.0464	4.5041	262.3878	20.8900	39.1400	50.8200	1.1207		
22/08/2019	93.7477	0.6661	0.4249	1.0909	4.5114	264.2759	21.1000	39.0900	50.7600	1.0419		
23/08/2019	93.7814	0.6722	0.4728	1.1449	4.3927	265.5070	20.8500	39.0700	50.7200	1.1290		
24/08/2019	93.8848	0.6969	0.4884	1.1853	4.3255	267.0077	21.2800	38.9900	50.6500	1.1730		
25/08/2019	93.8362	0.6631	0.4889	1.1520	4.3484	264.9397	21.3600	39.0400	50.7100	1.2580		
26/08/2019	93.9862	0.6603	0.5127	1.1730	4.1983	265.0974	21.0500	38.9800	50.6600	1.2041		
27/08/2019	94.0586	0.6801	0.5115	1.1916	4.1667	265.6450	21.0700	38.9300	50.6200	1.2063		
28/08/2019	93.7908	0.6870	0.5129	1.1999	4.4120	266.5625	19.6400	39.0000	50.6600	1.2735		
29/08/2019	93.6570	0.6516	0.5146	1.1663	4.5073	266.8700	20.8200	39.0900	50.7300	1.0803		
30/08/2019	93.8765	0.6601	0.5054	1.1655	4.2765	264.9646	20.3800	39.0200	50.7000	1.0716		
31/08/2019	94.0122	0.6707	0.5251	1.1958	4.1833	264.7862	19.7300	38.9400	50.6300	1.0025		

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

Mínimo	93.6303	0.5970	0.2189	0.9652	4.1667	261.8082	19.6400	38.7500	50.4900	0.8326		
Promedio	93.8996	0.7042	0.4034	1.1076	4.4562	263.9546	21.3571	39.0057	50.6990	1.0993		
Máximo	94.2810	0.8251	0.5251	1.2185	4.9039	267.0077	23.8000	39.1800	50.8500	1.2735		
Desv. Est.	0.15223	0.06177	0.11321	0.07190	0.19491	1.42262	0.81300	0.08928	0.07526	0.10430		

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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)	Azufre total* (mg/m ³)	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.
01/08/2019	94.0834	0.8488	0.2750	1.1238	4.7590	264.6357	28.3600	39.0253	50.7273	1.3533		
02/08/2019	94.2100	0.8474	0.2718	1.1191	4.7683	264.1412	28.3600	39.0844	50.7772	1.3533		
03/08/2019	94.1334	0.8730	0.2615	1.1158	4.5982	263.5454	28.3600	39.0800	50.7600	1.3533		
04/08/2019	94.0736	0.8111	0.2499	1.0490	4.6192	263.2279	23.2400	39.1300	50.8100	1.1911		
05/08/2019	94.0542	0.8163	0.2434	1.0396	5.1575	263.5122	23.0300	39.2900	50.8800	1.5515		
06/08/2019	93.8856	0.8799	0.2584	1.1369	4.8176	263.2938	23.0300	39.3100	50.9900	1.4795		
07/08/2019	93.9302	0.7635	0.2521	0.9971	4.9241	263.3600	22.9300	39.1700	50.8700	1.2632		
08/08/2019	93.7900	0.7970	0.2471	1.0250	5.0370	264.1132	22.5300	39.1800	50.8700	1.5876		
09/08/2019	93.9410	0.8783	0.3167	1.1601	5.2055	266.2123	29.5700	39.1300	50.8100	1.4074		
10/08/2019	94.2983	0.8319	0.5269	1.2108	4.8701	265.0818	24.6400	39.0600	50.7400	1.2812		
11/08/2019	94.5345	0.8072	0.5153	1.2749	4.4087	265.8884	25.4500	38.8600	50.6000	1.2902		
12/08/2019	94.4132	0.7897	0.5220	1.2390	4.7162	265.5864	24.4400	38.9900	50.7300	1.5335		
13/08/2019	94.2592	0.7157	0.5371	1.1337	4.5706	265.5009	24.2400	38.9900	50.7100	1.2362		
14/08/2019	94.1785	0.7472	0.5167	1.1262	4.7507	266.7276	24.2400	39.0600	50.8100	1.4795		
15/08/2019	94.2238	0.6651	0.5753	1.2025	4.6146	265.9493	23.4400	39.0900	50.7900	1.4524		
16/08/2019	93.9928	0.6948	0.5343	1.1803	4.6138	264.8069	23.1300	39.1500	50.8400	1.2722		
17/08/2019	94.1158	0.6968	0.5290	1.2030	4.4746	265.5713	331.1700	39.0200	50.7200	1.0289		
18/08/2019	94.2859	0.7435	0.5478	1.2486	4.4558	266.6935	23.7400	39.0000	50.7000	1.0109		
19/08/2019	94.2801	0.7559	0.5137	1.2185	4.4258	264.9649	23.3400	39.0800	50.7800	1.3083		
20/08/2019	93.9471	0.7308	0.4764	1.1594	4.5441	266.1013	23.3400	39.1700	50.8700	1.5696		
21/08/2019	94.0398	0.7536	0.4597	1.2034	4.6214	263.7677	331.1700	39.2500	50.9000	1.4164		
22/08/2019	93.9719	0.7194	0.4653	1.1336	4.9170	265.9333	45.0400	39.2600	50.8600	1.2092		
23/08/2019	94.0241	0.7503	0.5520	1.2380	4.7650	268.1674	24.0400	39.1700	50.8000	1.4164		
24/08/2019	94.0522	0.7599	0.5389	1.2449	4.5580	268.4537	39.4200	39.1800	50.8100	1.3984		
25/08/2019	94.1365	0.7366	0.5303	1.2258	4.5004	266.2310	22.7300	39.1200	50.7900	1.4434		
26/08/2019	94.1336	0.7145	0.5802	1.2096	4.4377	266.8342	30.7700	39.1000	50.7500	1.5425		
27/08/2019	94.2900	0.7323	0.5849	1.2529	4.2864	267.9240	22.9300	39.0000	50.6900	1.4885		
28/08/2019	94.1313	0.7262	0.6242	1.2767	5.1320	269.0415	22.0300	39.2600	50.8100	1.4705		
29/08/2019	93.9238	0.7028	0.6242	1.2767	4.6840	271.0851	25.2500	39.1700	50.8000	1.3804		
30/08/2019	94.0421	0.6926	0.5727	1.2141	4.4328	266.6465	330.0600	39.0900	50.7300	1.2722		
31/08/2019	94.1895	0.7254	0.6214	1.2777	4.3770	266.3545	21.8300	39.0600	50.7200	1.3804		

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

Mínimo	93.7900	0.6651	0.2434	0.9971	4.2864	263.2279	21.8300	38.8600	50.6000	1.0109		
Promedio	94.1150	0.7648	0.4621	1.1780	4.6788	265.7856	55.3500	39.1139	50.7885	1.3684		
Máximo	94.5345	0.8799	0.6242	1.2777	5.2055	271.0851	331.1700	39.3100	50.9900	1.5876		
Desv. Est.	0.16234	0.05979	0.13504	0.07779	0.24025	1.84820	91.78778	0.10081	0.07653	0.14307		

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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)	Azufre total* (mg/m ³)	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.
01/08/2019	93.8232	0.7824	0.2491	1.0315	4.4763	262.5448	14.9900	38.9277	50.6607	0.7676		
02/08/2019	93.7742	0.7438	0.2418	0.9855	4.4075	261.3044	14.9900	38.8730	50.6273	0.7676		
03/08/2019	93.8596	0.7807	0.2285	1.0258	4.2864	261.4873	14.9900	38.9300	50.6200	0.7676		
04/08/2019	93.8156	0.7367	0.2148	0.9650	4.3479	260.6918	20.5200	38.9700	50.6800	0.9478		
05/08/2019	93.2246	0.7523	0.1979	0.9872	4.3862	261.3684	19.8200	39.0000	50.7000	0.9659		
06/08/2019	93.5733	0.6705	0.2037	0.8743	4.4986	260.6685	19.7200	38.9500	50.6100	0.8307		
07/08/2019	93.6600	0.6986	0.2212	0.9210	4.6878	261.1603	19.7200	39.0400	50.7700	0.8127		
08/08/2019	93.5161	0.7013	0.2171	0.9414	4.7938	260.1865	18.9100	39.0600	50.7500	0.9659		
09/08/2019	93.3182	0.7576	0.2267	0.9888	4.5759	262.9416	17.9100	38.9500	50.6400	0.7857		
10/08/2019	93.6801	0.6559	0.2538	1.0138	4.1641	262.2670	18.7100	38.7800	50.5300	0.6956		
11/08/2019	94.0799	0.6941	0.4373	1.1395	3.9135	261.2991	21.7300	38.6700	50.4400	0.7496		
12/08/2019	93.8231	0.6161	0.3233	1.0222	4.0378	258.4673	20.3200	38.7200	50.4800	0.6415		
13/08/2019	93.8825	0.5905	0.3827	1.0506	4.2061	261.7125	20.5200	38.8700	50.6300	0.6956		
14/08/2019	93.7593	0.5824	0.2668	0.9436	4.3092	260.2913	19.9200	38.9100	50.6700	0.7676		
15/08/2019	93.7666	0.5601	0.4284	1.0387	4.2897	261.3041	19.0100	38.8600	50.6400	0.7586		
16/08/2019	93.6692	0.5627	0.4247	1.0420	4.3037	262.2841	19.2200	38.9500	50.6400	0.7676		
17/08/2019	93.8284	0.6166	0.4739	1.0905	4.2102	262.9492	19.2200	38.8900	50.6100	0.7676		
18/08/2019	93.8666	0.6380	0.4456	1.1167	4.0477	262.3714	20.1200	38.8100	50.5300	0.7406		
19/08/2019	93.8854	0.6064	0.3961	1.0411	4.1271	261.8054	18.6100	38.7800	50.5100	0.7406		
20/08/2019	93.7407	0.5848	0.3940	1.0087	4.3357	262.6575	20.1200	38.9700	50.6600	0.8037		
21/08/2019	93.5785	0.5887	0.3741	1.0049	4.2390	260.5916	20.1200	38.8900	50.5800	0.8037		
22/08/2019	93.2547	0.6113	0.3843	1.0272	4.2677	262.6114	18.8100	38.9600	50.6600	0.8668		
23/08/2019	93.3278	0.6309	0.3870	1.0921	4.1816	262.0979	13.1900	38.9700	50.6500	0.8938		
24/08/2019	93.5959	0.6346	0.4258	1.0956	4.1902	265.7090	18.6100	38.8900	50.5700	0.8397		
25/08/2019	93.6116	0.6026	0.4335	1.0890	4.1357	263.4610	19.5200	38.8500	50.5500	1.0289		
26/08/2019	93.7206	0.6165	0.4779	1.1194	4.0676	264.0303	18.0100	38.9300	50.6100	0.8307		
27/08/2019	93.9259	0.6386	0.4421	1.1243	3.9566	263.0334	17.7100	38.8700	50.5600	0.9298		
28/08/2019	93.0559	0.6526	0.4614	1.1651	4.1443	264.3750	17.2100	38.8800	50.5800	0.9929		
29/08/2019	93.4115	0.6013	0.4752	1.1105	4.2783	264.1777	15.7000	38.9400	50.6000	0.8217		
30/08/2019	93.6659	0.6383	0.4509	1.1097	4.1562	263.1342	15.7000	38.9900	50.6600	0.8217		
31/08/2019	93.7776	0.6133	0.4728	1.1515	4.0383	263.6014	11.9800	38.8900	50.5700	0.7857		

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

Mínimo	93.0559	0.5601	0.1979	0.8743	3.9135	258.4673	11.9800	38.6700	50.4400	0.6415		
Promedio	93.6604	0.6503	0.3552	1.0425	4.2600	262.1479	18.2461	38.9023	50.6125	0.8179		
Máximo	94.0799	0.7824	0.4779	1.1651	4.7938	265.7090	21.7300	39.0600	50.7700	1.0289		
Desv. Est.	0.23406	0.06479	0.10132	0.07213	0.20041	1.47117	2.33388	0.08619	0.07224	0.09241		

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