

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.
01/12/2018	94.6640	0.8950	0.2576	1.1526	3.7608	269.0706	18.8600	38.7200	50.4700	0.8680		
02/12/2018	94.6496	0.8899	0.2607	1.1506	3.6796	268.7878	18.8800	38.7600	50.4900	0.8045		
03/12/2018	94.7773	0.9464	0.2486	1.1950	3.5962	270.3939	19.0900	38.6600	50.4000	0.7605		
04/12/2018	94.4459	0.9588	0.2301	1.1889	3.9614	267.2334	18.5600	38.7400	50.4500	0.8284		
05/12/2018	94.7500	0.9262	0.2419	1.1681	3.6597	265.6611	18.9600	38.6700	50.4300	0.8141		
06/12/2018	94.7204	0.9185	0.2323	1.1508	3.7082	265.4987	18.9500	38.6900	50.4500	0.8029		
07/12/2018	94.6617	0.9196	0.2267	1.1463	3.7137	267.1500	17.7700	38.7300	50.4700	0.8022		
08/12/2018	94.5203	0.9034	0.2165	1.1199	3.8118	263.9820	18.1600	38.8000	50.5300	0.9160		
09/12/2018	94.5625	0.9190	0.2044	1.1233	3.7970	262.9929	17.3900	38.7800	50.5200	0.8841		
10/12/2018	94.3972	0.9023	0.2066	1.1089	3.9657	263.5217	16.9200	38.8400	50.5500	0.9109		
11/12/2018	94.2773	0.9200	0.2025	1.1225	4.0869	264.6928	17.1500	38.8600	50.5600	0.9375		
12/12/2018	94.1404	0.8943	0.2174	1.1117	4.2377	263.1827	17.8200	38.9100	50.6000	0.7496		
13/12/2018	94.2427	0.9026	0.2157	1.1184	4.1442	261.9412	17.9300	38.8700	50.5700	0.9053		
14/12/2018	94.1378	0.8945	0.2069	1.1014	4.2050	262.5980	18.1000	38.9300	50.6200	0.9304		
15/12/2018	93.9552	0.8501	0.2068	1.0569	4.3956	263.4117	16.8500	39.0300	50.7000	1.1049		
16/12/2018	94.2128	0.8749	0.2073	1.0822	4.1309	266.8023	17.2900	38.9300	50.6200	1.0609		
17/12/2018	94.3781	0.8627	0.2192	1.0819	3.9697	270.0510	17.4900	38.9100	50.6100	1.0778		
18/12/2018	94.4766	0.8729	0.2166	1.0895	3.8970	267.5698	17.2500	38.8500	50.5900	1.4219		
19/12/2018	94.6447	0.8701	0.2144	1.0845	3.7398	266.9307	17.6700	38.8000	50.5600	1.4195		
20/12/2018	94.7386	0.8493	0.2239	1.0731	3.6485	265.2396	17.8100	38.7900	50.5600	1.1948		
21/12/2018	94.8726	0.9212	0.2333	1.1544	3.4906	265.4835	16.8800	38.6700	50.4400	0.9965		
22/12/2018	94.8523	1.0071	0.2429	1.2499	3.5198	266.2276	18.3100	38.5800	50.3200	1.2067		
23/12/2018	94.6581	0.9974	0.2210	1.2184	3.6553	266.6372	17.9600	38.6900	50.3900	1.2850		
24/12/2018	94.6199	0.9389	0.2156	1.1545	3.6894	267.2498	16.0000	38.7800	50.4900	1.1222		
25/12/2018	94.8578	0.9842	0.2384	1.2226	3.5642	267.2992	14.9600	38.5900	50.3500	1.2868		
26/12/2018	94.9064	1.0684	0.2404	1.3087	3.5142	271.8237	16.3500	38.5000	50.2400	1.6360		
27/12/2018	94.9312	0.9902	0.1971	1.1873	3.2793	277.0103	18.2700	38.7300	50.4300	1.3108		
28/12/2018	94.3923	0.9322	0.1934	1.1256	3.7474	276.5602	18.2900	39.0000	50.6300	1.4095		
29/12/2018	94.2666	0.9810	0.1949	1.1759	3.8523	275.3490	17.9400	38.9800	50.5900	1.2923		
30/12/2018	94.3522	0.9748	0.1926	1.1674	3.7783	276.8118	16.6300	38.9700	50.5800	1.3303		
31/12/2018	94.4950	0.9880	0.1856	1.1735	3.6538	275.5405	17.2400	38.9100	50.5500	1.4255		

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

Mínimo	93.9552	0.8493	0.1856	1.0569	3.2793	261.9412	14.9600	38.5000	50.2400	0.7496		
Promedio	94.5341	0.9275	0.2197	1.1472	3.8017	267.8292	17.6687	38.7958	50.5084	1.0805		
Máximo	94.9312	1.0684	0.2607	1.3087	4.3956	277.0103	19.0900	39.0300	50.7000	1.6360		
Desv. Est.	0.25582	0.05184	0.01938	0.05567	0.25002	4.42177	0.94074	0.13150	0.10251	0.24773		

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.
01/12/2018	94.9404	0.9943	0.2696	1.2544	4.4158	272.1960	20.3200	38.9300	50.6400	1.0560		
02/12/2018	94.9984	0.9451	0.2840	1.2242	4.1399	271.7116	20.0200	38.9500	50.6400	0.9839		
03/12/2018	95.1132	1.0303	0.2759	1.2928	3.9412	274.1801	20.2200	38.7900	50.5000	1.0920		
04/12/2018	94.8792	1.0205	0.2515	1.2625	4.2266	270.8134	19.9200	38.8200	50.5200	0.9929		
05/12/2018	94.8977	1.0203	0.2619	1.2673	3.8645	268.0440	20.1200	38.7600	50.5000	1.0199		
06/12/2018	94.8277	1.0084	0.2508	1.2361	3.8434	268.8031	20.1200	38.7700	50.5200	0.9478		
07/12/2018	94.8694	1.0134	0.2369	1.2499	3.8324	269.2755	88.8600	38.8800	50.6000	1.0109		
08/12/2018	94.6740	0.9428	0.2422	1.1641	3.9367	267.8434	19.0100	38.9200	50.6300	1.0560		
09/12/2018	94.6727	0.9775	0.2112	1.1887	3.8944	266.2408	18.2100	38.8400	50.5700	1.0199		
10/12/2018	94.5544	0.9922	0.2305	1.1988	4.3756	266.0635	17.9100	38.9200	50.6000	1.4164		
11/12/2018	94.5498	1.0081	0.2225	1.2206	4.5244	267.3871	18.1100	38.9800	50.6500	1.4254		
12/12/2018	94.3366	1.0111	0.2296	1.2288	4.4714	265.5957	18.9100	39.0000	50.6800	1.0019		
13/12/2018	94.6807	1.0198	0.2502	1.2565	4.4940	264.8346	19.0100	39.0300	50.6700	1.3263		
14/12/2018	94.4152	0.9579	0.2245	1.1694	4.6913	268.2029	19.4200	39.0900	50.7000	1.3984		
15/12/2018	94.1353	0.9515	0.2224	1.1633	4.6913	268.4507	17.9100	39.1000	50.7400	1.5696		
16/12/2018	94.4162	0.9654	0.2187	1.1826	4.3934	268.9578	18.2100	39.0200	50.6900	1.2993		
17/12/2018	94.5477	0.9995	0.2335	1.2292	4.2591	272.9103	18.6100	39.0400	50.7200	1.2272		
18/12/2018	94.6794	0.9428	0.2286	1.1684	4.0373	269.2899	18.6100	39.0400	50.7200	1.6417		
19/12/2018	94.7841	0.9359	0.2254	1.1553	3.8925	269.7528	18.8100	38.9800	50.7300	1.7318		
20/12/2018	95.1055	0.9748	0.2535	1.2259	3.7524	267.6071	18.9100	39.0600	50.8100	1.4344		
21/12/2018	95.0804	0.9618	0.2484	1.1894	3.7302	267.1538	40.4200	38.7400	50.5000	1.2092		
22/12/2018	95.0642	1.1113	0.2635	1.3546	3.7377	268.3527	23.4400	38.8500	50.5600	1.5245		
23/12/2018	95.4631	1.1137	0.2464	1.3486	3.9819	268.8098	19.3200	38.9600	50.6100	1.5245		
24/12/2018	94.7781	1.0932	0.2288	1.3155	4.1212	268.8406	40.7200	39.5600	51.2100	1.2993		
25/12/2018	95.0947	1.0730	0.2541	1.3206	3.7095	270.7344	40.4200	38.8500	50.5800	1.6507		
26/12/2018	95.2916	1.1285	0.2540	1.3722	3.9399	277.5764	39.2100	38.6100	50.3000	2.0291		
27/12/2018	95.9674	1.1042	0.2271	1.3163	3.6145	281.4763	19.7200	38.8500	50.5800	1.6146		
28/12/2018	94.8106	1.0359	0.2204	1.2496	4.0940	281.7677	19.1100	39.1400	50.7300	1.5966		
29/12/2018	94.5879	1.0310	0.2187	1.2334	4.0181	277.7969	18.8100	39.1000	50.6600	1.5335		
30/12/2018	94.6464	1.0159	0.2010	1.2084	3.9647	280.6564	90.6700	39.0500	50.6300	1.5606		
31/12/2018	94.6566	1.0666	0.2151	1.2484	3.8018	277.3902	17.9100	38.9600	50.5800	1.5876		

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Mínimo	94.1353	0.9359	0.2010	1.1553	3.6145	264.8346	17.9100	38.6100	50.3000	0.9478		
Promedio	94.8232	1.0144	0.2387	1.2418	4.0771	270.9263	26.4829	38.9545	50.6377	1.3478		
Máximo	95.9674	1.1285	0.2840	1.3722	4.6913	281.7677	90.6700	39.5600	51.2100	2.0291		
Desv. Est.	0.35703	0.05522	0.02011	0.05954	0.30145	4.77633	18.36045	0.16795	0.14507	0.27891		

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.
01/12/2018	94.0691	0.8371	0.2430	1.0823	3.4770	263.4002	17.6100	38.6000	50.3600	0.6685		
02/12/2018	94.1822	0.8449	0.2369	1.0930	3.3803	264.3814	17.3100	38.5800	50.3500	0.6685		
03/12/2018	94.4313	0.8944	0.2278	1.1382	3.2885	267.4382	18.0100	38.5600	50.3300	0.6505		
04/12/2018	94.1825	0.9147	0.2221	1.1510	3.5821	261.6095	17.3100	38.6100	50.3800	0.6685		
05/12/2018	94.4945	0.8701	0.2152	1.1062	3.4902	261.4276	17.6100	38.6000	50.3500	0.6595		
06/12/2018	94.5472	0.8793	0.2187	1.1096	3.6149	263.3372	17.8100	38.6300	50.3800	0.6775		
07/12/2018	94.4984	0.8595	0.2111	1.0706	3.5849	265.1079	17.8100	38.5500	50.3000	0.6775		
08/12/2018	94.3684	0.8569	0.1917	1.0610	3.7157	260.8382	16.9000	38.7100	50.4500	0.8037		
09/12/2018	94.4223	0.8818	0.1951	1.0817	3.6886	257.0772	16.3000	38.7000	50.4300	0.7316		
10/12/2018	93.9426	0.8568	0.1927	1.0614	3.8027	260.2987	15.8000	38.7500	50.4800	0.6505		
11/12/2018	93.8024	0.8606	0.1890	1.0680	3.8900	259.9493	15.8000	38.6700	50.3800	0.7136		
12/12/2018	93.9421	0.8344	0.2050	1.0496	4.0638	261.0825	16.2000	38.7500	50.4300	0.6145		
13/12/2018	93.8188	0.8391	0.1946	1.0468	3.8255	257.1297	16.9000	38.6800	50.4000	0.6956		
14/12/2018	93.6032	0.8303	0.1919	1.0313	3.9827	258.2185	15.6000	38.8100	50.5100	0.7136		
15/12/2018	93.6032	0.8091	0.1881	1.0111	4.2605	258.9670	15.7000	38.9700	50.6200	0.9478		
16/12/2018	93.8948	0.8255	0.1943	1.0277	3.9587	263.7876	16.0000	38.8600	50.5500	0.9028		
17/12/2018	94.0750	0.7903	0.1829	1.0109	3.8146	265.0502	11.8800	38.7900	50.4500	0.9298		
18/12/2018	94.1853	0.8276	0.2053	1.0363	3.7277	264.1109	15.3000	38.7500	50.4700	1.1461		
19/12/2018	94.4654	0.7614	0.1993	0.9608	3.6288	263.3075	15.0900	38.7200	50.4700	1.1100		
20/12/2018	94.4903	0.7261	0.1873	0.9136	3.4244	260.2921	14.4900	38.4900	50.2800	0.8848		
21/12/2018	94.5908	0.8599	0.2241	1.0955	3.2678	263.1306	3.4400	38.6200	50.3900	0.7947		
22/12/2018	94.5001	0.8849	0.2243	1.1126	3.2829	262.4163	9.2700	38.4600	50.1800	0.8668		
23/12/2018	94.1875	0.8861	0.1963	1.0918	3.1503	263.2294	14.6900	38.4100	50.1800	1.0650		
24/12/2018	93.7957	0.5704	0.1511	0.7215	3.5574	262.1088	3.0300	38.6900	50.3300	0.6415		
25/12/2018	94.6075	0.8508	0.2074	1.0687	3.3817	265.0002	2.7300	38.4800	50.2300	0.9298		
26/12/2018	94.4698	1.0293	0.2161	1.2566	3.1026	267.7368	2.5300	38.4100	50.1900	1.3623		
27/12/2018	94.4291	0.8716	0.1680	1.0567	2.6219	271.9163	16.3000	38.3500	50.2200	0.9569		
28/12/2018	94.0875	0.8497	0.1809	1.0462	3.4131	274.1491	17.0000	38.7900	50.4400	1.1641		
29/12/2018	94.0197	0.9389	0.1844	1.1309	3.5988	273.3196	16.9000	38.9000	50.5300	1.1281		
30/12/2018	94.1448	0.9462	0.1843	1.1329	3.5335	274.3743	16.9000	38.8700	50.5100	1.1281		
31/12/2018	94.3238	0.9594	0.1783	1.1393	3.5256	271.2714	16.3000	38.8500	50.4600	1.2272		

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Mínimo	93.6032	0.5704	0.1511	0.7215	2.6219	257.0772	2.5300	38.3500	50.1800	0.6145		
Promedio	94.1992	0.8531	0.2002	1.0633	3.5689	264.0472	14.3394	38.6648	50.3881	0.8639		
Máximo	94.6075	1.0293	0.2430	1.2566	4.2605	274.3743	18.0100	38.9700	50.6200	1.3623		
Desv. Est.	0.29546	0.07777	0.02038	0.08848	0.32004	4.75944	4.79475	0.15556	0.11256	0.21174		

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