

**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.
01/07/2019	93.7597	0.7887	0.2122	1.0009	4.5507	259.5627	19.9800	39.1400	50.8000	0.0473	<10.8	0.00
02/07/2019	93.4506	0.7693	0.1977	0.9669	4.8527	258.7513	20.1300	39.2700	50.9000	0.0473		
03/07/2019	93.4350	0.7742	0.2006	0.9748	4.8547	259.9047	19.4400	39.2700	50.8900	0.0472		
04/07/2019	93.5239	0.8385	0.2195	1.0580	4.7967	261.6659	20.6800	39.1600	50.7700	0.0474		
05/07/2019	93.4375	0.8391	0.2318	1.0709	4.8341	261.8989	20.9500	39.1900	50.7800	0.0476		
06/07/2019	93.4426	0.8689	0.2291	1.0980	4.8267	261.9935	21.1900	39.1600	50.7500	0.0477		
07/07/2019	93.5134	0.8885	0.2418	1.1303	4.8181	262.4123	21.4500	39.0800	50.7000	0.0477		
08/07/2019	93.4299	0.8439	0.2244	1.0682	4.8401	261.4264	21.0100	39.1900	50.7800	0.0477		
09/07/2019	93.5135	0.8285	0.2342	1.0627	4.7998	262.1172	20.7500	39.1600	50.7700	0.0471		
10/07/2019	93.1563	0.8260	0.2155	1.0416	5.0499	260.5925	20.6200	39.3100	50.8700	0.0478		
11/07/2019	93.0713	0.7893	0.2152	1.0046	5.1185	260.8190	19.6400	39.3800	50.9300	0.0470		
12/07/2019	93.2963	0.7741	0.2168	0.9908	4.9960	261.0000	20.5000	39.3000	50.9100	0.0477		
13/07/2019	93.6913	0.8228	0.2364	1.0592	4.7842	262.2770	19.8600	39.0600	50.7200	0.9297		
14/07/2019	93.6191	0.8415	0.2351	1.0767	4.8129	262.3843	21.3200	39.0800	50.7200	1.2945		
15/07/2019	93.5426	0.7878	0.2151	1.0029	4.9437	262.4206	20.3300	39.1600	50.8100	1.1770		
16/07/2019	93.4703	0.7539	0.2295	0.9834	5.0441	263.6192	21.0100	39.1900	50.8500	1.1903		
17/07/2019	93.3988	0.7315	0.2288	0.9603	5.1192	263.0431	21.1000	39.2200	50.8900	1.1928		
18/07/2019	93.4770	0.7599	0.2357	0.9956	5.0341	263.3969	20.7700	39.1800	50.8300	1.2910		
19/07/2019	93.8136	0.7410	0.2481	0.9891	4.7041	263.1340	21.6700	39.0900	50.7900	1.0696		
20/07/2019	93.8676	0.7861	0.2642	1.0503	4.6988	262.8372	20.2000	39.0000	50.7000	1.0958		
21/07/2019	94.0544	0.7996	0.2696	1.0691	4.5599	262.5060	22.0000	38.9100	50.6400	1.2335		
22/07/2019	93.9436	0.8132	0.2549	1.0681	4.6478	262.8979	20.0200	38.9400	50.6500	1.2501		
23/07/2019	93.9315	0.8238	0.2510	1.0749	4.6426	263.5789	20.0100	38.9500	50.6600	1.1426		
24/07/2019	93.9516	0.8058	0.2517	1.0576	4.6582	262.6725	20.9200	38.9500	50.6600	1.1770		
25/07/2019	94.0451	0.7788	0.2431	1.0218	4.5929	261.9401	21.1000	38.9400	50.6700	1.1963		
26/07/2019	93.9861	0.8239	0.2545	1.0784	4.5741	262.2673	20.8500	38.9300	50.6400	1.1789		
27/07/2019	94.0363	0.8232	0.2564	1.0796	4.5427	262.5928	20.8000	38.9200	50.6300	0.9826		
28/07/2019	94.1225	0.8264	0.2520	1.0784	4.4663	263.4366	21.5100	38.9000	50.6200	0.9855		
29/07/2019	94.0860	0.8086	0.2634	1.0720	4.4834	263.9445	21.4400	38.9300	50.6400	1.0433		
30/07/2019	94.1481	0.7839	0.2708	1.0547	4.4453	263.5732	21.5800	38.9100	50.6400	0.9694		
31/07/2019	93.9593	0.8344	0.2449	1.0792	4.4851	262.7069	21.0800	38.9900	50.6700	1.0642		

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

Mínimo	93.0713	0.7315	0.1977	0.9603	4.4453	258.7513	19.4400	38.9000	50.6200	0.0470		
Promedio	93.6831	0.8056	0.2369	1.0425	4.7606	262.1733	20.7713	39.0923	50.7510	0.7108		
Máximo	94.1481	0.8885	0.2708	1.1303	5.1192	263.9445	22.0000	39.3800	50.9300	1.2945		
Desv. Est.	0.30368	0.03632	0.01960	0.04352	0.20042	1.24186	0.63451	0.14174	0.09769	0.54272		

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.
01/07/2019	93.9885	0.9094	0.2270	1.1353	4.6759	260.9814	21.5300	39.1900	50.8500	0.0558		
02/07/2019	93.9405	0.8252	0.2164	1.0349	5.2020	260.5884	23.2400	39.3900	51.0500	0.0558		
03/07/2019	93.5574	0.8238	0.2106	1.0214	5.0128	261.4609	21.7300	39.3600	50.9500	0.0558		
04/07/2019	93.7411	0.9263	0.2334	1.1439	4.9804	263.2651	40.2200	39.2600	50.9000	0.0558		
05/07/2019	93.5984	0.8913	0.2409	1.1222	5.0502	263.2679	22.6300	39.2900	50.8800	0.0558		
06/07/2019	93.6634	0.9465	0.2515	1.1655	4.9317	263.3578	44.9400	39.2500	50.8300	0.0558		
07/07/2019	93.6681	0.9196	0.2531	1.1652	5.1650	263.7921	22.9300	39.1800	50.7800	0.0558		
08/07/2019	93.6480	0.9303	0.2446	1.1665	4.9706	262.8798	22.5300	39.2600	50.8500	0.0558		
09/07/2019	93.7073	0.8779	0.2422	1.1125	5.1041	262.9750	29.8700	39.2500	50.8500	0.0558		
10/07/2019	93.4757	0.9895	0.2487	1.2343	5.1868	262.3619	45.6500	39.4200	50.9700	0.0558		
11/07/2019	93.2368	0.8124	0.2248	1.0355	5.2211	262.0975	22.0300	39.4600	50.9800	0.0558		
12/07/2019	93.6273	0.8184	0.2331	1.0450	5.1129	262.4318	21.8300	39.4400	51.0000	0.0558		
13/07/2019	93.8159	0.8742	0.2464	1.1063	4.8628	264.3170	21.7300	39.1900	50.8600	29.6912		
14/07/2019	93.7018	0.9098	0.2478	1.1486	4.9027	263.6925	45.5500	39.1900	50.7700	1.6597		
15/07/2019	93.6717	0.8257	0.2377	1.0580	5.0660	265.0508	24.0400	39.2500	50.8800	1.4614		
16/07/2019	93.5751	0.8199	0.2423	1.0406	5.3328	264.5957	327.0500	39.2800	50.9100	1.4074		
17/07/2019	93.4931	0.7598	0.2415	0.9953	5.1960	264.7786	22.5300	39.2900	50.9400	1.4254		
18/07/2019	93.6243	0.9108	0.2590	1.1521	5.1638	265.4942	22.2300	39.2300	50.8900	29.6912		
19/07/2019	93.9031	0.8317	0.2671	1.0707	4.9054	264.3340	46.4500	39.1700	50.8500	1.3623		
20/07/2019	94.0717	0.8159	0.3081	1.0896	4.8748	263.6835	331.1700	39.0800	50.8000	1.3173		
21/07/2019	94.1970	0.8682	0.3001	1.1615	4.6788	263.3774	23.6400	38.9700	50.6800	1.4164		
22/07/2019	94.0932	0.8679	0.2697	1.1307	4.7602	264.2397	22.0300	38.9900	50.7200	1.5065		
23/07/2019	94.1041	0.8625	0.2645	1.1098	5.0846	264.1994	21.3300	39.0600	50.7300	1.4164		
24/07/2019	94.1127	0.8508	0.2635	1.1088	4.8034	263.5480	36.7000	38.9900	50.7000	1.4795		
25/07/2019	94.1439	0.9182	0.2565	1.1527	4.6743	262.8993	327.7500	38.9800	50.7200	29.6912		
26/07/2019	94.1254	0.8656	0.2690	1.1137	4.6790	263.3107	22.7300	39.0900	50.7300	1.4344		
27/07/2019	94.1277	0.8565	0.2669	1.1132	4.6152	263.3563	22.6300	38.9400	50.6500	1.1641		
28/07/2019	94.2164	0.8805	0.2706	1.1278	4.5615	264.5458	23.3400	38.9500	50.6700	1.1641		
29/07/2019	94.2411	0.8553	0.2985	1.1230	4.6039	264.8940	23.0300	38.9900	50.6900	1.2632		
30/07/2019	94.2949	0.8177	0.2865	1.1017	4.5808	264.4512	22.8300	38.9400	50.6900	1.1100		
31/07/2019	94.1203	0.8678	0.2769	1.1180	4.7388	263.9600	22.9300	39.0600	50.7400	1.2001		


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Mínimo	93.2368	0.7598	0.2106	0.9953	4.5615	260.5884	21.3300	38.9400	50.6500	0.0558		
Promedio	93.8544	0.8687	0.2548	1.1098	4.9258	263.4899	56.4135	39.1739	50.8229	3.5978		
Máximo	94.2949	0.9895	0.3081	1.2343	5.3328	265.4942	331.1700	39.4600	51.0500	29.6912		
Desv. Est.	0.28011	0.04893	0.02362	0.05210	0.22422	1.16231	90.97179	0.15821	0.10995	8.70531		

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.
01/07/2019	93.6542	0.7509	0.1984	0.9614	4.3863	258.4114	16.1000	38.9300	50.6000	0.0378		
02/07/2019	93.0903	0.6606	0.1775	0.8381	4.3803	257.2012	18.2100	39.0600	50.7400	0.0378		
03/07/2019	93.2497	0.7256	0.1863	0.9336	4.7451	258.4153	14.1900	39.2200	50.8500	0.0378		
04/07/2019	93.3118	0.7517	0.2041	0.9587	4.6107	260.2924	18.4100	39.0700	50.6900	0.0378		
05/07/2019	93.2094	0.7801	0.2215	1.0061	4.6805	260.8723	18.2100	39.1300	50.7200	0.0378		
06/07/2019	93.3223	0.8311	0.2166	1.0489	4.6128	260.6421	19.6200	39.0400	50.6500	0.0378		
07/07/2019	93.1591	0.8343	0.2299	1.0642	4.6929	260.7626	19.8200	39.0300	50.6400	0.0378		
08/07/2019	93.3135	0.7984	0.2165	1.0195	4.7015	260.3848	19.0100	39.0400	50.6600	0.0378		
09/07/2019	93.1514	0.7683	0.2215	1.0077	4.6226	261.1324	18.4100	39.0900	50.7100	0.0378		
10/07/2019	93.0130	0.7581	0.2034	0.9688	4.8663	259.3480	19.1100	38.9800	50.5600	0.0378		
11/07/2019	92.9540	0.7708	0.2062	0.9819	5.0189	259.3311	16.6000	39.2700	50.8600	0.0378		
12/07/2019	93.0693	0.7395	0.2057	0.9516	4.8296	259.6549	19.1100	39.1600	50.8300	0.0378		
13/07/2019	93.5629	0.7395	0.2120	0.9541	4.7095	260.4616	17.5100	39.0100	50.6800	0.0378		
14/07/2019	93.4289	0.7992	0.2210	1.0219	4.6153	261.1390	19.4200	39.0400	50.6800	0.9839		
15/07/2019	93.3776	0.7638	0.2022	0.9696	4.8208	260.2137	17.1000	39.0800	50.7300	0.7406		
16/07/2019	93.1840	0.7185	0.2037	0.9466	4.8928	262.2222	17.1000	39.1300	50.7700	0.7406		
17/07/2019	93.2922	0.6965	0.2173	0.9172	5.0329	261.8762	19.2200	39.1600	50.8300	1.0019		
18/07/2019	93.3551	0.7177	0.2245	0.9519	4.8788	261.7099	17.4100	39.1200	50.6900	0.0378		
19/07/2019	93.6166	0.6892	0.2342	0.9337	4.6020	261.3434	20.0200	39.0100	50.7200	0.9208		
20/07/2019	93.7044	0.7326	0.2388	0.9723	4.5685	261.6282	20.0200	38.9100	50.6400	0.9208		
21/07/2019	93.9178	0.7705	0.2560	1.0315	4.4032	261.5352	19.8200	38.8100	50.5200	1.0560		
22/07/2019	93.8242	0.7582	0.2395	1.0021	4.4706	261.3260	17.8100	38.8800	50.5900	1.0019		
23/07/2019	93.4800	0.7616	0.2340	1.0007	4.5042	262.6036	17.7100	38.9100	50.6100	0.9659		
24/07/2019	93.7711	0.7771	0.2447	1.0261	4.5235	260.8774	18.2100	38.9000	50.6300	1.0109		
25/07/2019	93.9529	0.7509	0.2325	0.9972	4.4147	260.5248	10.6700	38.8700	50.5500	1.0109		
26/07/2019	93.7986	0.7681	0.2383	1.0079	4.4477	261.0845	18.2100	38.8900	50.5900	0.9388		
27/07/2019	93.9611	0.7969	0.2453	1.0559	4.4469	261.6045	18.4100	38.8800	50.5900	0.7767		
28/07/2019	94.0383	0.7909	0.2402	1.0364	4.3075	262.1907	19.0100	38.8400	50.5500	0.8668		
29/07/2019	93.9650	0.7794	0.2460	1.0413	4.3155	262.9174	18.9100	38.8600	50.5900	0.7857		
30/07/2019	93.9858	0.7406	0.2550	1.0148	4.2941	262.6414	17.8100	38.8500	50.5900	0.7947		
31/07/2019	93.6853	0.7824	0.2305	1.0278	4.3225	261.6013	17.8100	38.9200	50.6200	0.7316		

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Mínimo	92.9540	0.6606	0.1775	0.8381	4.2941	257.2012	10.6700	38.8100	50.5200	0.0378		
Promedio	93.4968	0.7582	0.2227	0.9887	4.6038	260.8371	18.0316	39.0029	50.6671	0.5090		
Máximo	94.0383	0.8343	0.2560	1.0642	5.0329	262.9174	20.0200	39.2700	50.8600	1.0560		
Desv. Est.	0.33060	0.03811	0.01958	0.04833	0.21144	1.30823	1.85394	0.12232	0.09235	0.44235		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.