

**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.
01/06/2019	94.8507	0.7381	0.2258	0.9639	3.8250	263.0088	22.9900	38.7800	50.6300	1.3838		
02/06/2019	95.0140	0.7897	0.2516	1.0413	3.6500	262.5203	15.4200	38.6500	50.5100	0.6728		
03/06/2019	94.9912	0.7399	0.2518	0.9917	3.7280	260.9612	20.9900	38.6800	50.5600	1.0229		
04/06/2019	94.9698	0.7063	0.2397	0.9461	3.7947	260.4829	20.8900	38.7100	50.6100	1.0583		
05/06/2019	94.8526	0.7760	0.2592	1.0352	3.8351	260.3331	22.5000	38.6700	50.5300	1.3474		
06/06/2019	95.0000	0.7284	0.2390	0.9674	3.7431	260.1408	21.4600	38.6800	50.5700	1.2522		
07/06/2019	94.6385	0.7206	0.2299	0.9505	3.8943	259.6609	22.0300	38.8700	50.6900	1.3635		
08/06/2019	94.3434	0.7786	0.2435	1.0220	3.9821	261.1613	21.0800	38.9900	50.7000	1.2836		
09/06/2019	94.5609	0.8230	0.2623	1.0853	3.8600	261.9800	22.4700	38.8300	50.5800	1.5651		
10/06/2019	94.4989	0.7811	0.2451	1.0262	3.9341	261.0522	22.3700	38.8800	50.6400	1.3995		
11/06/2019	94.1986	0.7442	0.2421	0.9863	4.1356	261.9058	22.2200	39.0500	50.7700	1.3490		
12/06/2019	94.0322	0.7615	0.2345	0.9960	4.3002	262.1526	20.9300	39.0800	50.7800	1.5683		
13/06/2019	94.1029	0.7564	0.2302	0.9866	4.2556	260.7163	20.2800	39.0600	50.7700	1.6166		
14/06/2019	93.9544	0.7563	0.2321	0.9888	4.3519	259.7614	20.7800	39.1200	50.7900	1.3198		
15/06/2019	93.9725	0.7501	0.2228	0.9729	4.2866	258.9545	19.6500	39.1200	50.8200	1.0507		
16/06/2019	94.3217	0.8564	0.2444	1.1009	4.0422	260.2462	21.3100	38.8700	50.5900	1.1870		
17/06/2019	94.1923	0.7986	0.2335	1.0321	4.1041	259.9565	14.2100	38.9900	50.7000	0.4901		
18/06/2019	93.8634	0.7516	0.2087	0.9603	4.3477	259.5722	20.9900	39.1900	50.8600	1.0275		
19/06/2019	93.5844	0.6972	0.1889	0.8860	4.5227	257.8898	20.1100	39.3700	51.0000	1.1378		
20/06/2019	93.5226	0.7906	0.1993	0.9900	4.6450	259.6656	19.4800	39.2700	50.8800	1.3874		
21/06/2019	94.0002	0.7484	0.2107	0.9591	4.3736	259.8323	21.9300	39.0900	50.8000	1.0160		
22/06/2019	94.3313	0.8169	0.2242	1.0412	4.2210	261.1726	20.3700	38.8700	50.6300	1.0793		
23/06/2019	94.2916	0.7759	0.1931	0.9689	4.2842	260.4219	20.8900	38.9500	50.7100	1.1788		
24/06/2019	94.3107	0.8635	0.2199	1.0835	4.1980	261.2108	21.6200	38.8500	50.5800	1.2673		
25/06/2019	94.1764	0.6859	0.1819	0.8678	4.4210	258.0283	18.9200	39.0600	50.8500	1.1085		
26/06/2019	94.1764	0.6859	0.1819	0.8678	4.4210	258.0283	18.9200	39.0600	50.8500	1.1085		
27/06/2019	94.1764	0.6859	0.1819	0.8678	4.4210	258.0283	18.9200	39.0600	50.8500	1.1085		
28/06/2019	93.6838	0.6934	0.1550	0.8484	4.7225	255.2112	18.3600	39.2700	50.9700	1.1843		
29/06/2019	93.4844	0.7642	0.1735	0.9377	4.7746	256.2437	18.3300	39.2900	50.9200	1.1968		
30/06/2019	93.7088	0.7822	0.1969	0.9791	4.5705	259.9263	16.2700	39.2000	50.8400	0.4514		

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

Mínimo	93.4844	0.6859	0.1550	0.8484	3.6500	255.2112	14.2100	38.6500	50.5100	0.4514		
Promedio	94.2602	0.7582	0.2201	0.9784	4.1882	260.0075	20.2230	38.9853	50.7327	1.1728		
Máximo	95.0140	0.8635	0.2623	1.1009	4.7746	263.0088	22.9900	39.3700	51.0000	1.6166		
Desv. Est.	0.45141	0.04697	0.02801	0.06521	0.31215	1.75852	2.10793	0.20211	0.13610	0.27243		

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.
01/06/2019	95.0787	0.8597	0.2580	1.1116	4.1464	266.1495	24.3400	39.0000	50.7300	1.6417		
02/06/2019	95.1114	0.8173	0.2731	1.0778	3.7992	263.1507	331.1700	38.7000	50.6000	29.6912		
03/06/2019	95.0809	0.7987	0.2732	1.0665	3.8355	262.7020	24.3400	38.7200	50.6000	1.2001		
04/06/2019	95.1082	0.7635	0.2806	1.0204	3.9120	261.5825	22.8300	38.7600	50.6400	1.2993		
05/06/2019	95.0093	0.8086	0.2936	1.0748	3.9323	261.0173	24.3400	38.7300	50.6100	1.5425		
06/06/2019	95.1190	0.8088	0.2920	1.0674	4.0270	260.9904	24.2400	38.7700	50.6400	29.6912		
07/06/2019	95.0331	0.7839	0.2459	1.0204	4.0907	265.0163	23.8400	39.0800	50.8300	1.6687		
08/06/2019	94.4884	0.8375	0.2569	1.0820	4.1724	262.8319	26.3500	39.1000	50.8400	1.4434		
09/06/2019	94.7502	0.8668	0.2783	1.1330	4.0566	263.2346	23.7400	38.9800	50.6900	2.1192		
10/06/2019	94.6344	0.8386	0.2658	1.1012	4.0810	261.9649	331.1700	38.9300	50.7000	1.5786		
11/06/2019	94.5864	0.8326	0.2683	1.0698	5.0272	267.1435	42.6300	39.5700	51.0600	1.8669		
12/06/2019	94.3448	0.8760	0.2600	1.1304	4.7214	267.1435	23.0300	39.2500	50.8800	1.7858		
13/06/2019	94.1980	0.7868	0.2397	1.0212	4.4674	262.2180	25.3500	39.2000	50.8900	1.9750		
14/06/2019	94.1588	0.8076	0.2394	1.0404	4.4110	260.7793	22.1300	39.1800	50.8400	1.5606		
15/06/2019	94.0614	0.8255	0.3113	1.0575	4.3754	259.6853	31.9800	39.1700	50.8800	1.2812		
16/06/2019	94.4994	0.9398	0.2590	1.1890	4.3113	261.6582	22.8300	39.1300	50.8100	1.6867		
17/06/2019	94.4875	0.8844	0.2547	1.1358	4.2698	261.0426	331.1700	39.1900	50.8800	29.6912		
18/06/2019	94.0732	0.8667	0.2270	1.0937	4.4311	261.0982	46.5500	39.2500	50.9100	1.3443		
19/06/2019	94.2022	0.8293	0.2378	1.0672	4.6972	259.8215	22.4300	39.4800	51.0800	1.4254		
20/06/2019	93.7776	0.8540	0.2446	1.0592	4.8433	261.6537	21.4300	39.4600	51.0400	1.7227		
21/06/2019	94.3581	0.9111	0.2230	1.0952	4.6062	261.6626	44.5400	39.3700	50.9900	1.2182		
22/06/2019	94.4249	0.8602	0.2403	1.0903	4.2982	262.3395	24.6400	38.9500	50.7200	1.2993		
23/06/2019	94.4060	0.8456	0.2137	1.0427	4.4639	261.5628	37.7100	39.0100	50.8000	1.3804		
24/06/2019	94.4589	1.0259	0.2696	1.2846	4.4597	263.4884	323.0300	38.9700	50.7000	1.4885		
25/06/2019	94.4581	0.8939	0.2276	1.1163	4.5500	262.2401	323.1300	39.2100	50.9500	1.3443		
26/06/2019	94.4581	0.8939	0.2276	1.1163	4.5500	262.2401	323.1300	39.2100	50.9500	1.3443		
27/06/2019	94.4581	0.8939	0.2276	1.1163	4.5500	262.2401	323.1300	39.2100	50.9500	1.3443		
28/06/2019	94.1680	0.8106	0.1868	0.9925	5.0492	257.8456	331.1700	39.5100	51.1300	1.5155		
29/06/2019	93.8628	0.8573	0.2164	1.0317	5.0337	261.7489	21.2300	39.5600	51.1400	1.5966		
30/06/2019	93.8427	0.8597	0.2161	1.0483	4.7805	263.7909	322.9300	39.5200	51.0600	29.6912		

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Mínimo	93.7776	0.7635	0.1868	0.9925	3.7992	257.8456	21.2300	38.7000	50.6000	1.2001		
Promedio	94.4900	0.8513	0.2503	1.0851	4.3983	262.3348	117.3510	39.1390	50.8513	5.2813		
Máximo	95.1190	1.0259	0.3113	1.2846	5.0492	267.1435	331.1700	39.5700	51.1400	29.6912		
Desv. Est.	0.39978	0.05226	0.02778	0.05676	0.35309	2.02574	139.55063	0.25977	0.16343	9.74048		

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.
01/06/2019	94.2453	0.6149	0.1895	0.8045	3.6669	261.2439	20.0200	38.6900	50.5700	1.1010		
02/06/2019	94.8420	0.7209	0.2152	0.9371	3.5546	261.6963	20.0200	38.6100	50.4700	1.1010		
03/06/2019	94.8810	0.7044	0.2386	0.9492	3.5855	260.0940	18.7100	38.5800	50.4600	0.7496		
04/06/2019	94.8232	0.6633	0.2186	0.8971	3.6417	259.7949	17.8100	38.6200	50.5100	0.7226		
05/06/2019	94.7519	0.7204	0.2316	0.9534	3.6429	259.2105	20.0200	38.6200	50.4800	1.1010		
06/06/2019	94.7037	0.6861	0.2261	0.9240	3.6319	259.2900	18.5100	38.6200	50.4800	0.0378		
07/06/2019	94.2658	0.6858	0.2164	0.9089	3.7166	258.2416	19.6200	38.6900	50.5600	1.1100		
08/06/2019	94.0759	0.6837	0.2237	0.9093	3.8514	259.0132	17.9100	38.8500	50.6000	1.1010		
09/06/2019	94.3910	0.7799	0.2400	1.0331	3.7242	260.8307	20.9200	38.7500	50.5100	1.2272		
10/06/2019	94.3300	0.7398	0.2368	0.9777	3.8336	259.9866	20.9200	38.7600	50.5300	1.2272		
11/06/2019	92.9811	0.7191	0.2305	0.9594	3.8435	260.3783	20.4200	38.8900	50.6600	1.0830		
12/06/2019	93.5704	0.7134	0.2215	0.9528	4.0571	260.6454	19.1100	38.8400	50.5500	1.3533		
13/06/2019	93.8591	0.7103	0.2158	0.9270	4.0902	259.6140	18.8100	39.0200	50.7300	1.3353		
14/06/2019	93.8536	0.7405	0.2267	0.9711	4.1267	259.4386	18.7100	39.0500	50.7300	1.1100		
15/06/2019	93.8994	0.6950	0.2100	0.9107	4.2093	257.7827	15.8000	39.0000	50.6900	0.7947		
16/06/2019	93.9144	0.7575	0.2119	0.9741	3.9068	258.2473	18.8100	38.7700	50.4700	0.9478		
17/06/2019	93.9573	0.7180	0.2090	0.9284	3.9512	258.4671	18.8100	38.7700	50.5200	0.9478		
18/06/2019	93.7744	0.7037	0.1954	0.9230	4.1891	258.5205	10.1700	38.9900	50.6500	0.7406		
19/06/2019	93.3221	0.6566	0.1725	0.8384	4.1312	255.3918	9.6700	38.9500	50.6500	0.8848		
20/06/2019	93.2877	0.7177	0.1735	0.8947	4.4940	257.2162	17.8100	39.1600	50.7900	1.0289		
21/06/2019	93.4933	0.6770	0.1840	0.8759	4.0253	257.9716	19.2200	38.9100	50.6700	0.7226		
22/06/2019	94.2329	0.7495	0.2096	0.9618	4.1384	260.1228	17.8100	38.8400	50.5800	0.6595		
23/06/2019	94.0618	0.7021	0.1784	0.8836	4.1654	259.6433	10.9700	38.8600	50.6100	0.9569		
24/06/2019	94.0816	0.7891	0.1926	1.0014	3.9983	259.4756	10.9700	38.6300	50.3300	0.9569		
25/06/2019	93.8681	0.6202	0.1576	0.7880	4.0778	256.3052	10.9700	38.8100	50.5400	0.9569		
26/06/2019	93.8681	0.6202	0.1576	0.7880	4.0778	256.3052	10.9700	38.8100	50.5400	0.9569		
27/06/2019	93.8681	0.6202	0.1576	0.7880	4.0778	256.3052	10.9700	38.8100	50.5400	0.9569		
28/06/2019	93.1558	0.6286	0.1407	0.7734	4.4313	253.6584	10.9700	38.9500	50.6900	0.9569		
29/06/2019	93.1774	0.6433	0.1470	0.7907	4.3306	253.4586	15.4000	39.1400	50.8000	0.8127		
30/06/2019	93.4834	0.7327	0.1731	0.9249	4.4351	258.5784	15.4000	39.1100	50.7500	0.8127		

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Mínimo	92.9811	0.6149	0.1407	0.7734	3.5546	253.4586	9.6700	38.5800	50.3300	0.0378		
Promedio	93.9673	0.6971	0.2001	0.9050	3.9869	258.5643	16.5410	38.8367	50.5887	0.9485		
Máximo	94.8810	0.7891	0.2400	1.0331	4.4940	261.6963	20.9200	39.1600	50.8000	1.3533		
Desv. Est.	0.52261	0.04749	0.02943	0.07036	0.26440	2.04744	3.83078	0.16645	0.11097	0.24923		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.