


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.
01/03/2018	96.2796	0.7860	0.2133	0.9993	2.4427	268.7864	0.1200	38.2900	50.3200	0.4952		
02/03/2018	96.1474	0.7853	0.2124	0.9977	2.5536	268.5606	0.5000	38.3500	50.3500	0.4372		
03/03/2018	96.1716	0.8498	0.2124	1.0622	2.4774	272.6501	0.3900	38.3000	50.2800	0.4327		
04/03/2018	96.2621	0.8999	0.1974	1.0972	2.3554	272.7066	0.1500	38.2500	50.2300	0.4562		
05/03/2018	96.0212	0.8286	0.2174	1.0460	2.6368	272.0063	0.1200	38.3500	50.3200	0.4774		
06/03/2018	96.0631	0.7722	0.2054	0.9776	2.6684	271.2027	0.7500	38.3800	50.3900	0.4142		
07/03/2018	96.0250	0.8189	0.2304	1.0493	2.6436	270.5145	2.0100	38.3400	50.3200	0.5850		
08/03/2018	95.9047	0.8248	0.2376	1.0623	2.7525	269.8492	1.8300	38.3600	50.3200	0.5850		
09/03/2018	95.7151	0.8241	0.2257	1.0499	2.9605	269.3278	0.9500	38.4200	50.3600	0.5850		
10/03/2018	95.7666	0.9302	0.2517	1.1819	2.7621	270.4636	0.2200	38.3300	50.2300	0.5850		
11/03/2018	95.8984	0.9556	0.2558	1.2114	2.6170	269.5008	0.1200	38.2700	50.1700	0.5850		
12/03/2018	95.9602	0.8491	0.2724	1.1214	2.6282	268.3944	1.3200	38.3200	50.2600	0.5850		
13/03/2018	95.9145	0.8394	0.2677	1.1070	2.7176	258.2422	1.7900	38.3100	50.2700	0.5850		
14/03/2018	96.0591	0.8573	0.2699	1.1271	2.5573	259.4493	2.0200	38.2500	50.2200	0.4445		
15/03/2018	96.1746	0.8404	0.2673	1.1077	2.4724	259.8720	16.7400	38.2200	50.2100	0.6344		
16/03/2018	96.0389	0.8339	0.2737	1.1076	2.6005	259.5360	18.8500	38.2600	50.2400	0.6110		
17/03/2018	96.1294	0.8411	0.2481	1.0893	2.5516	258.2163	19.1100	38.2300	50.2300	0.6537		
18/03/2018	96.2180	0.8402	0.2548	1.0950	2.4553	258.5613	19.5500	38.2000	50.2100	0.6059		
19/03/2018	96.2015	0.8347	0.2534	1.0881	2.4791	259.0370	20.2000	38.2100	50.2200	0.5850		
20/03/2018	96.2452	0.8310	0.2517	1.0827	2.4421	258.9581	20.1300	38.2100	50.2200	0.5865		
21/03/2018	96.1937	0.6836	0.2336	0.9172	2.6433	259.4528	19.4700	38.3300	50.4100	0.4815		
22/03/2018	96.1528	0.6920	0.2371	0.9291	2.6762	258.7634	19.1000	38.3300	50.4000	0.5100		
23/03/2018	96.2126	0.7227	0.2439	0.9665	2.5782	259.2887	19.2400	38.3000	50.3600	0.5580		
24/03/2018	96.2693	0.7125	0.2410	0.9535	2.5386	259.3151	17.8500	38.2800	50.3600	0.5345		
25/03/2018	96.2753	0.7000	0.2394	0.9393	2.5478	259.0584	14.9900	38.2900	50.3700	0.2535		
26/03/2018	96.3374	0.7206	0.2288	0.9493	2.4851	258.8958	19.2400	38.2600	50.3500	0.5438		
27/03/2018	96.1388	0.6462	0.1996	0.8458	2.7558	258.7351	18.8800	38.3900	50.4800	0.4842		
28/03/2018	95.9498	0.6823	0.2013	0.8836	2.8816	260.1869	18.3400	38.4300	50.4800	0.4323		
29/03/2018	95.9311	0.6528	0.2010	0.8537	2.9377	258.8742	18.7800	38.4600	50.5200	0.4795		
30/03/2018	95.9827	0.5191	0.1749	0.6940	3.0317	259.9384	18.6300	38.5600	50.6800	0.3729		
31/03/2018	96.0402	0.4696	0.1834	0.6531	3.0221	257.1436	18.2900	38.5600	50.7100	0.3301		

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

Mínimo	95.7151	0.4696	0.1749	0.6531	2.3554	257.1436	0.1200	38.2000	50.1700	0.2535		
Promedio	96.0864	0.7756	0.2323	1.0079	2.6410	263.4028	10.6348	38.3239	50.3384	0.5132		
Máximo	96.3374	0.9556	0.2737	1.2114	3.0317	272.7066	20.2000	38.5600	50.7100	0.6537		
Desv. Est.	0.15626	0.10903	0.02714	0.12804	0.17728	5.69887	9.06122	0.09120	0.12987	0.09388		

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 <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.
01/03/2018	96.3581	0.8563	0.2293	1.0733	2.5820	288.1442	0.3200	38.3800	50.4200	0.6235		
02/03/2018	96.3068	0.8639	0.2349	1.0898	2.7402	290.1759	1.8300	38.4300	50.4400	0.5784		
03/03/2018	96.3328	0.9782	0.2338	1.1990	2.6204	290.1745	1.9300	38.3700	50.4000	1.1461		
04/03/2018	96.5068	0.9755	0.2304	1.1832	2.4621	292.3423	0.8200	38.3100	50.3000	0.5604		
05/03/2018	96.2237	0.9879	0.2393	1.2238	2.7731	290.5719	0.1200	38.4200	50.4100	0.6235		
06/03/2018	96.1179	0.8196	0.2210	1.0239	2.7448	289.7835	4.7400	38.4300	50.4300	0.5063		
07/03/2018	96.1056	0.8702	0.2454	1.0967	2.7825	292.7419	2.7300	38.4100	50.3900	28.8802		
08/03/2018	96.0358	0.8667	0.2959	1.1105	3.1380	292.7690	3.0300	38.4800	50.4200	0.0198		
09/03/2018	96.0636	0.9808	0.2504	1.2034	3.1380	292.2464	2.7300	38.4900	50.5300	0.0288		
10/03/2018	96.0975	1.0330	0.2761	1.2839	2.9468	292.2058	1.0200	38.4300	50.3700	0.0198		
11/03/2018	96.1124	1.0339	0.2682	1.2996	2.7840	289.6869	0.1200	38.3600	50.3000	0.0198		
12/03/2018	96.1000	1.0125	0.2968	1.2740	2.7759	300.9342	2.9300	38.5400	50.4000	0.0108		
13/03/2018	95.9837	0.9349	0.2815	1.2050	2.8018	300.4143	2.3300	38.5300	50.3700	0.0288		
14/03/2018	96.2214	0.9222	0.2905	1.1813	2.7293	300.4519	2.4300	38.4900	50.3500	0.7046		
15/03/2018	96.3110	0.8999	0.2970	1.1772	2.7234	300.2465	20.3200	38.4400	50.3400	1.1100		
16/03/2018	96.1745	0.8813	0.2849	1.1632	2.7959	299.2950	20.0200	38.4900	50.3800	0.7676		
17/03/2018	96.2737	0.8809	0.2639	1.1275	2.7344	298.9548	44.3400	38.4300	50.3500	0.8217		
18/03/2018	96.3056	0.8972	0.2704	1.1497	2.5150	298.9196	41.5300	38.4300	50.3600	0.7226		
19/03/2018	96.3575	0.8774	0.2690	1.1297	2.5449	298.7767	44.2400	38.4300	50.3700	0.6956		
20/03/2018	96.3743	0.8732	0.2636	1.1344	2.5694	299.6566	22.2300	38.4600	50.4100	0.6956		
21/03/2018	96.3690	0.8178	0.2667	1.0829	2.8744	299.2953	38.4100	38.6500	50.6600	0.6415		
22/03/2018	96.2524	0.7384	0.2526	0.9773	2.7538	299.1104	22.6300	38.5500	50.5500	0.6145		
23/03/2018	96.4354	0.7585	0.2628	1.0106	2.9006	299.2039	35.8000	38.5000	50.4900	0.8127		
24/03/2018	96.4189	0.7708	0.2635	1.0268	2.6263	298.9120	22.1300	38.5100	50.4800	0.6415		
25/03/2018	96.3847	0.7460	0.2564	1.0024	2.6240	299.1273	331.1700	38.4900	50.4600	0.6505		
26/03/2018	96.4536	0.8475	0.2663	1.1102	3.1067	298.5299	22.2300	38.6300	50.7900	0.7136		
27/03/2018	96.2327	0.7146	0.2207	0.9302	2.8647	298.4521	37.7100	38.6300	50.6600	0.6055		
28/03/2018	96.1846	0.8135	0.2256	1.0350	3.0458	298.7566	19.5200	38.7100	50.6400	0.5874		
29/03/2018	96.2143	0.7715	0.2239	0.9774	3.5638	299.2797	25.3500	38.6900	50.6700	1.0199		
30/03/2018	96.1523	0.6691	0.1993	0.8683	3.3999	299.1715	45.6500	38.8100	50.9800	0.5334		
31/03/2018	96.1444	0.5160	0.2025	0.7039	3.1385	276.8795	19.1100	38.6300	50.7500	0.4252		

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Mínimo	95.9837	0.5160	0.1993	0.7039	2.4621	276.8795	0.1200	38.3100	50.3000	0.0108		
Promedio	96.2453	0.8584	0.2543	1.0985	2.8323	295.6519	27.0797	38.5016	50.4797	1.4777		
Máximo	96.5068	1.0339	0.2970	1.2996	3.5638	300.9342	331.1700	38.8100	50.9800	28.8802		
Desv. Est.	0.13495	0.11418	0.02716	0.12691	0.25366	5.42541	58.62878	0.11422	0.16065	5.09531		

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 <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.
01/03/2018	96.1576	0.7023	0.1853	0.8921	2.3273	266.4423	0.0200	38.2300	50.2400	0.3261		
02/03/2018	95.9500	0.7038	0.1934	0.9076	2.4198	265.8707	0.0200	38.2700	50.2600	0.2811		
03/03/2018	95.9808	0.7515	0.1860	0.9399	2.3701	270.4167	0.0200	38.2300	50.1700	0.3081		
04/03/2018	96.0841	0.8108	0.1803	1.0278	2.2029	270.2957	0.0200	38.2000	50.1800	0.3532		
05/03/2018	95.8917	0.7598	0.1940	0.9746	2.3677	270.3636	0.0200	38.2100	50.1200	0.3081		
06/03/2018	95.9770	0.7225	0.1838	0.9327	2.6078	269.2632	0.0200	38.3500	50.3400	0.2811		
07/03/2018	95.8487	0.7621	0.2103	0.9815	2.5668	267.7352	1.1300	38.3000	50.2800	0.0343		
08/03/2018	95.5478	0.7739	0.2129	1.0032	2.6391	267.9162	1.0200	38.3200	50.2700	0.0343		
09/03/2018	95.5306	0.6415	0.1964	0.8378	2.6269	267.0632	0.1200	38.2900	50.2300	0.0343		
10/03/2018	95.5495	0.8199	0.2116	1.0383	2.4990	268.6626	0.0200	38.2700	50.1200	0.0343		
11/03/2018	95.7910	0.8476	0.2381	1.0885	2.4394	267.3447	0.0200	38.2200	50.0900	0.0343		
12/03/2018	95.7281	0.7507	0.2366	1.0282	2.5411	247.6191	0.1200	38.2200	50.1100	0.0343		
13/03/2018	95.7408	0.7899	0.2521	1.0574	2.6697	224.2272	1.2300	38.2200	50.1500	0.0343		
14/03/2018	95.8229	0.8140	0.2470	1.0890	2.4391	222.8365	1.3300	38.1700	50.1700	0.0343		
15/03/2018	95.8435	0.8080	0.2556	1.0679	2.3633	223.9597	1.5300	38.1400	50.1600	0.4523		
16/03/2018	95.8900	0.7965	0.2479	1.0677	2.4331	222.3214	17.3100	38.1900	50.1900	0.4793		
17/03/2018	95.9577	0.8066	0.2333	1.0490	2.4694	226.0224	8.7600	38.1800	50.1800	0.5424		
18/03/2018	96.1124	0.7979	0.2411	1.0553	2.4139	222.4872	8.6600	38.1500	50.1700	0.4703		
19/03/2018	96.1106	0.7867	0.2440	1.0324	2.3873	224.7818	9.0600	38.1700	50.1800	0.4793		
20/03/2018	96.0665	0.7625	0.2420	1.0113	2.3379	223.3671	9.3700	38.1400	50.1800	0.4793		
21/03/2018	95.9994	0.5711	0.2107	0.7819	2.3577	223.8605	8.8600	38.1700	50.2100	0.3712		
22/03/2018	95.9764	0.5972	0.2174	0.8146	2.6091	229.6046	14.3900	38.2700	50.3400	0.3982		
23/03/2018	95.9359	0.6712	0.2180	0.8978	2.4454	225.4222	8.2600	38.2300	50.3100	0.4613		
24/03/2018	96.1317	0.6378	0.2229	0.8850	2.4377	223.3254	14.2900	38.2200	50.2800	0.4072		
25/03/2018	96.1840	0.6636	0.2292	0.9038	2.4371	225.4192	14.2900	38.2200	50.3000	0.4072		
26/03/2018	96.0636	0.4066	0.1493	0.5559	2.3061	225.2296	16.8000	38.1300	50.1700	0.1459		
27/03/2018	95.8462	0.5199	0.1798	0.6999	2.6642	228.0929	17.3100	38.3500	50.4300	0.3081		
28/03/2018	95.7005	0.6229	0.1843	0.8115	2.6926	223.5550	16.4000	38.3500	50.3400	0.2811		
29/03/2018	95.1519	0.5979	0.1835	0.7850	2.6491	228.4561	17.1000	38.3300	50.4100	0.3351		
30/03/2018	95.8312	0.3179	0.1255	0.4434	2.7794	227.5256	17.3100	38.4600	50.5000	0.2360		
31/03/2018	95.8644	0.4348	0.1686	0.6096	2.9712	224.4958	17.1000	38.5100	50.6600	0.2450		

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

Mínimo	95.1519	0.3179	0.1255	0.4434	2.2029	222.3214	0.0200	38.1300	50.0900	0.0343		
Promedio	95.8796	0.6919	0.2091	0.9120	2.4991	241.0962	7.1584	38.2487	50.2497	0.2784		
Máximo	96.1840	0.8476	0.2556	1.0890	2.9712	270.4167	17.3100	38.5100	50.6600	0.5424		
Desv. Est.	0.22146	0.13258	0.03202	0.16323	0.16184	20.98862	7.16055	0.09025	0.12507	0.16915		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.