

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.
01/11/2016	95.1005	0.8782	0.2781	1.1563	3.4958	262.3135	13.3600	38.5166	50.3818	1.0100		
02/11/2016	95.1346	0.8719	0.2922	1.1641	3.4416	262.3135	13.6200	38.5089	50.3752	1.0109		
03/11/2016	95.3290	0.8565	0.2756	1.1322	3.2769	262.3135	12.8000	38.4757	50.3745	1.0109		
04/11/2016	95.0413	0.8625	0.2805	1.1430	3.5078	262.3135	11.6200	38.5693	50.4215	1.0114		
05/11/2016	95.1235	0.8467	0.2896	1.1363	3.4698	262.3135	11.6200	38.5347	50.4087	1.0114		
06/11/2016	95.2817	0.8268	0.3185	1.1453	3.3294	262.3135	11.6200	38.4715	50.3733	1.0114		
07/11/2016	95.4828	0.8043	0.3108	1.1151	3.1459	262.3135	10.8400	38.4418	50.3754	1.0850		
08/11/2016	95.4273	0.8372	0.2924	1.1296	3.1922	262.3135	10.1200	38.4464	50.3635	1.4001		
09/11/2016	95.2887	0.8649	0.3027	1.1676	3.2955	262.3135	13.5200	38.4583	50.3464	0.9984		
10/11/2016	95.5017	0.8296	0.3024	1.1320	3.1065	262.3135	11.7100	38.4264	50.3527	0.8843		
11/11/2016	95.4288	0.8554	0.2992	1.1546	3.1215	262.3135	10.7300	38.4453	50.3469	1.1693		
12/11/2016	95.1944	0.8835	0.2962	1.1797	3.3262	262.3135	10.5300	38.4979	50.3588	0.9614		
13/11/2016	95.4281	0.8425	0.3120	1.1545	3.1537	262.3135	9.7300	38.4340	50.3437	0.8132		
14/11/2016	95.4778	0.8191	0.3164	1.1355	3.1489	262.3135	8.9000	38.4216	50.3510	0.8132		
15/11/2016	95.5082	0.8284	0.3091	1.1375	3.1178	262.3135	8.3100	38.4112	50.3420	0.8132		
16/11/2016	95.4456	0.8366	0.3267	1.1633	3.1467	262.3135	7.9700	38.4152	50.3304	0.8132		
17/11/2016	95.4487	0.8540	0.3142	1.1682	3.1176	262.3135	6.5100	38.4197	50.3265	0.8132		
18/11/2016	95.3634	0.8801	0.3064	1.1865	3.2063	262.3135	7.0700	38.4218	50.3132	0.8132		
19/11/2016	95.3706	0.8537	0.3167	1.1704	3.2233	262.3135	10.8400	38.4275	50.3302	0.8842		
20/11/2016	95.3329	0.8225	0.3519	1.1745	3.2421	262.3135	9.6600	38.4391	50.3424	0.6300		
21/11/2016	95.4068	0.8309	0.3259	1.1567	3.2042	262.3135	8.5400	38.4222	50.3389	0.5938		
22/11/2016	95.4643	0.7971	0.3433	1.1404	3.1554	262.3135	7.3300	38.4203	50.3534	0.5954		
23/11/2016	95.5034	0.7987	0.3416	1.1403	3.1137	262.3135	7.1500	38.4128	50.3487	0.6871		
24/11/2016	95.3798	0.8359	0.3351	1.1710	3.2012	262.3135	6.7200	38.4305	50.3358	0.8053		
25/11/2016	95.4131	0.8329	0.3090	1.1418	3.1916	262.3135	6.1500	38.4414	50.3561	0.8462		
26/11/2016	95.5293	0.8229	0.3150	1.1379	3.1093	262.3135	5.2800	38.4000	50.3367	0.7836		
27/11/2016	95.4293	0.8370	0.3192	1.1562	3.1691	262.3135	5.2000	38.4257	50.3395	0.9993		
28/11/2016	95.2169	0.8511	0.3074	1.1586	3.2824	262.3135	5.6600	38.5251	50.3915	0.8880		
29/11/2016	95.3738	0.8707	0.3122	1.1829	3.2094	262.3135	3.8300	38.4175	50.3147	0.8834		
30/11/2016	95.3694	0.8465	0.3115	1.1580	3.2319	262.3135	5.1700	38.4374	50.3432	0.9077		

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

Mínimo	95.0413	0.7971	0.2756	1.1151	3.1065	262.3135	3.8300	38.4000	50.3132	0.5938		
Promedio	95.3599	0.8426	0.3104	1.1530	3.2311	262.3135	9.0703	38.4505	50.3539	0.8983		
Máximo	95.5293	0.8835	0.3519	1.1865	3.5078	262.3135	13.6200	38.5693	50.4215	1.4001		
Desv. Est.	0.13225	0.02305	0.01845	0.01772	0.11744	0.00000	2.81247	0.04275	0.02515	0.16921		

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.
01/11/2016	95.3683	0.9312	0.2935	1.2247	3.7186	262.3135	14.0900	38.6056	50.4264	1.1281		
02/11/2016	95.4481	0.9374	0.3167	1.2540	3.7762	262.3135	14.2400	38.6100	50.4186	1.0109		
03/11/2016	95.5424	0.9131	0.3062	1.2193	3.5754	262.3135	13.8400	38.5878	50.4158	1.0109		
04/11/2016	95.3261	0.9085	0.2970	1.2055	3.7866	262.3135	11.8800	38.6655	50.4849	1.1821		
05/11/2016	95.4053	0.9138	0.3219	1.2357	3.7721	262.3135	11.8800	38.6342	50.4558	1.1821		
06/11/2016	95.6491	0.8869	0.3464	1.2333	3.4939	262.3135	11.8800	38.5213	50.3965	1.1821		
07/11/2016	95.5487	0.8878	0.3393	1.2271	3.2269	262.3135	14.4900	38.4784	50.4031	1.2542		
08/11/2016	95.5826	0.9255	0.3255	1.2510	3.3559	262.3135	11.3800	38.4774	50.3336	1.4885		
09/11/2016	95.5282	0.9170	0.3258	1.2428	3.4327	262.3135	14.3900	38.5053	50.3704	1.1641		
10/11/2016	95.6303	0.9071	0.3187	1.2258	3.2198	262.3135	14.3900	38.4678	50.3658	0.9749		
11/11/2016	95.6113	0.9043	0.3147	1.2190	3.2344	262.3135	11.0700	38.4879	50.3585	1.3263		
12/11/2016	95.3507	0.9254	0.3189	1.2443	3.3991	262.3135	10.8700	38.5195	50.3540	1.1461		
13/11/2016	95.6247	0.9168	0.3404	1.2573	3.3903	262.3135	92.0800	38.4981	50.3457	0.9659		
14/11/2016	95.8801	0.8628	0.3440	1.2068	3.2797	262.3135	9.7700	38.4540	50.3552	0.9659		
15/11/2016	95.6563	0.8807	0.3231	1.2038	3.2566	262.3135	18.9600	38.4391	50.3452	0.9659		
16/11/2016	95.5903	0.8958	0.3503	1.2461	3.2791	262.3135	19.9700	38.4509	50.3390	0.9659		
17/11/2016	95.6121	0.9123	0.3389	1.2512	3.3076	262.3135	91.2700	38.4993	50.3710	0.9659		
18/11/2016	95.5031	0.9294	0.3317	1.2611	3.4129	262.3135	8.0600	38.4811	50.3530	0.9659		
19/11/2016	95.5182	0.9010	0.3310	1.2320	3.4239	262.3135	12.4800	38.4975	50.3694	7.6336		
20/11/2016	95.4502	0.8704	0.3762	1.2466	3.4154	262.3135	10.9700	38.5051	50.3699	0.7676		
21/11/2016	95.6031	0.8960	0.3542	1.2502	3.3618	262.3135	9.2700	38.4668	50.3561	0.6956		
22/11/2016	95.7520	0.8706	0.3658	1.2364	3.3656	262.3135	8.6600	38.4916	50.3897	0.7767		
23/11/2016	95.7137	0.8950	0.3629	1.2580	3.3430	262.3135	9.6700	38.4626	50.3237	0.8217		
24/11/2016	95.5658	0.9025	0.3505	1.2530	3.3280	262.3135	8.3600	38.4599	50.3312	0.9208		
25/11/2016	95.6859	0.8786	0.3377	1.2163	3.3939	262.3135	6.8500	38.5884	50.4385	1.0380		
26/11/2016	95.6960	0.8633	0.3262	1.1895	3.2955	262.3135	6.3500	38.4815	50.3671	1.0650		
27/11/2016	95.6971	0.8742	0.3414	1.2156	3.3688	262.3135	6.2500	38.5453	50.4008	1.1190		
28/11/2016	95.3912	0.8948	0.3211	1.2159	3.4225	262.3135	9.1100	38.6120	50.4313	0.9839		
29/11/2016	95.5016	0.9102	0.3309	1.2411	3.3722	262.3135	5.3500	38.4715	50.3515	1.0380		
30/11/2016	95.5624	0.8989	0.3292	1.2281	3.5294	262.3135	5.3500	38.5182	50.3755	1.0380		

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Mínimo	95.3261	0.8628	0.2935	1.1895	3.2198	262.3135	5.3500	38.4391	50.3237	0.6956		
Promedio	95.5665	0.9004	0.3327	1.2331	3.4179	262.3135	16.4393	38.5161	50.3799	1.2581		
Máximo	95.8801	0.9374	0.3762	1.2611	3.7866	262.3135	92.0800	38.6655	50.4849	7.6336		
Desv. Est.	0.12757	0.02054	0.01906	0.01865	0.16125	0.00000	20.75939	0.06110	0.03960	1.21549		

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

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(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.
01/11/2016	94.8153	0.8269	0.2616	1.0885	3.2550	262.3135	12.5300	38.4755	50.3885	0.8487		
02/11/2016	94.7810	0.8326	0.2530	1.0855	3.1272	262.3135	12.9300	38.4160	50.3238	1.0109		
03/11/2016	94.9359	0.8029	0.2330	1.0359	3.1245	262.3135	11.5800	38.4250	50.3670	1.0109		
04/11/2016	94.7636	0.8173	0.2635	1.0808	3.2361	262.3135	10.1700	38.5085	50.4083	1.0109		
05/11/2016	94.7916	0.7880	0.2554	1.0433	3.2472	262.3135	10.1700	38.4616	50.3906	1.0109		
06/11/2016	95.0927	0.7890	0.2966	1.0856	2.9891	262.3135	10.1700	38.3945	50.3534	1.0109		
07/11/2016	95.4047	0.7770	0.2696	1.0467	3.0755	262.3135	9.6700	38.4113	50.3512	0.9388		
08/11/2016	95.1914	0.7921	0.2683	1.0604	3.0787	262.3135	9.5700	38.4159	50.3643	1.0019		
09/11/2016	95.1523	0.8333	0.2818	1.1151	3.0848	262.3135	10.9700	38.4133	50.3376	0.6685		
10/11/2016	95.3728	0.7752	0.2809	1.0561	2.9934	262.3135	10.6700	38.3862	50.3401	0.7676		
11/11/2016	95.2881	0.7850	0.2749	1.0599	3.0221	262.3135	10.2700	38.3933	50.3364	0.7496		
12/11/2016	95.0898	0.8445	0.2776	1.1221	3.1799	262.3135	10.1700	38.4604	50.3470	0.8127		
13/11/2016	95.1304	0.8008	0.2865	1.0873	2.9731	262.3135	77.0600	38.3660	50.3081	0.8127		
14/11/2016	95.3495	0.7572	0.2982	1.0554	2.7969	262.3135	8.4600	38.3604	50.3626	0.8127		
15/11/2016	95.3621	0.7933	0.2955	1.0888	2.9853	262.3135	7.5600	38.3727	50.3229	0.8127		
16/11/2016	95.3210	0.8035	0.2979	1.1014	2.9858	262.3135	2.2300	38.3674	50.3020	0.8127		
17/11/2016	95.2175	0.8093	0.2916	1.1010	2.9913	262.3135	77.0600	38.3737	50.3068	0.8127		
18/11/2016	95.1701	0.8467	0.2850	1.1317	3.0215	262.3135	6.3500	38.3998	50.3154	0.8127		
19/11/2016	95.1550	0.8274	0.3019	1.1292	3.0820	262.3135	7.7100	38.3809	50.3056	0.4703		
20/11/2016	95.1513	0.7828	0.3229	1.1057	3.1409	262.3135	8.5600	38.4025	50.3259	0.5424		
21/11/2016	95.2426	0.7883	0.3008	1.0891	3.0300	262.3135	8.1600	38.3874	50.3403	0.5244		
22/11/2016	95.2130	0.7313	0.3146	1.0459	2.9187	262.3135	6.5500	38.3664	50.3573	0.4883		
23/11/2016	95.1908	0.7408	0.3197	1.0605	2.9488	262.3135	6.4500	38.3624	50.3413	0.5604		
24/11/2016	95.2175	0.7860	0.3133	1.0993	3.0649	262.3135	5.9500	38.3937	50.3357	0.5874		
25/11/2016	95.1681	0.7928	0.2600	1.0528	2.9789	262.3135	5.4500	38.3699	50.3277	0.7586		
26/11/2016	95.2997	0.7937	0.2976	1.0913	2.9358	262.3135	4.5400	38.3579	50.3148	0.7046		
27/11/2016	95.1274	0.7925	0.3034	1.0959	2.9717	262.3135	4.4400	38.3538	50.3199	0.8577		
28/11/2016	95.0297	0.8166	0.2950	1.1116	3.1697	262.3135	4.5400	38.4529	50.3537	0.8037		
29/11/2016	95.2440	0.8390	0.2908	1.1298	3.0893	262.3135	2.9300	38.3849	50.3037	0.7947		
30/11/2016	95.0427	0.7929	0.2918	1.0847	3.0467	262.3135	2.9300	38.3767	50.3046	0.7947		

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Mínimo	94.7636	0.7313	0.2330	1.0359	2.7969	262.3135	2.2300	38.3538	50.3020	0.4703		
Promedio	95.1437	0.7986	0.2861	1.0847	3.0515	262.3135	12.5267	38.3997	50.3385	0.7869		
Máximo	95.4047	0.8467	0.3229	1.1317	3.2550	262.3135	77.0600	38.5085	50.4083	1.0109		
Desv. Est.	0.17706	0.02790	0.02123	0.02770	0.10410	0.00000	17.77907	0.03866	0.02760	0.16259		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE