

**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.
01/10/2018	94.9588	0.8531	0.2440	1.0971	3.2387	269.9667	19.5900	38.7900	50.5400	0.7149	<10.8	0.00
02/10/2018	94.9090	0.8757	0.2498	1.1256	3.3494	270.1809	20.6300	38.7400	50.5000	0.7825		
03/10/2018	94.8530	0.9329	0.2545	1.1873	3.4150	272.6586	18.8500	38.7000	50.4300	0.8718		
04/10/2018	95.0513	0.9491	0.2486	1.1978	3.2818	269.6941	19.1000	38.5900	50.3600	0.8724		
05/10/2018	94.9337	0.9521	0.2599	1.2118	3.3575	270.2888	7.3700	38.6400	50.3800	0.4975		
06/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	20.7300	38.6500	50.3900	1.1814		
07/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	20.5000	38.6500	50.3900	1.0678		
08/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	20.3500	38.6500	50.3900	1.1995		
09/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	19.6600	38.6500	50.3900	1.4490		
10/10/2018	95.0664	0.9850	0.2674	1.2524	3.2861	271.2449	19.7300	38.5500	50.3100	1.4212		
11/10/2018	95.0450	1.0299	0.2692	1.2991	3.3278	269.7913	19.7600	38.4900	50.2400	1.2736		
12/10/2018	94.7699	1.0207	0.2585	1.2792	3.6411	265.4031	19.1600	38.5600	50.2900	1.5435		
13/10/2018	94.1399	0.9209	0.2288	1.1497	3.9613	276.1216	18.8100	39.0300	50.6400	1.7354		
14/10/2018	94.5305	0.9879	0.2383	1.2262	3.7917	261.4895	20.3000	38.7100	50.4100	1.6060		
15/10/2018	94.7633	1.0270	0.2526	1.2796	3.5568	262.7942	19.1500	38.5900	50.3100	1.3638		
16/10/2018	94.4628	1.0367	0.2520	1.2888	3.8755	265.9268	17.8400	38.6600	50.3400	1.4294		
17/10/2018	94.2821	1.0351	0.2439	1.2790	4.0043	268.9234	17.3400	38.7400	50.4000	1.3539		
18/10/2018	94.2178	0.9402	0.2300	1.1703	4.0270	267.5919	17.0600	38.9000	50.5500	1.1989		
19/10/2018	94.3951	0.9364	0.2237	1.1602	3.7979	270.4210	17.8500	38.8900	50.5500	1.1984		
20/10/2018	94.9556	0.8984	0.2208	1.1191	3.3773	273.3683	18.9800	38.7200	50.4900	0.6951		
21/10/2018	94.9760	0.9261	0.2297	1.1558	3.3508	270.1960	19.1600	38.6700	50.4300	0.5544		
22/10/2018	95.1036	1.0099	0.2394	1.2492	3.2548	271.1978	19.2900	38.5300	50.2900	0.5415		
23/10/2018	95.1086	1.0281	0.2448	1.2728	3.2432	272.0580	19.3200	38.5100	50.2600	0.6768		
24/10/2018	94.8127	0.9890	0.2191	1.2081	3.4624	268.5356	18.3800	38.6800	50.4000	0.8308		
25/10/2018	95.0127	1.0223	0.2386	1.2608	3.3383	269.0807	18.8500	38.5500	50.2900	0.8765		
26/10/2018	95.0295	1.0083	0.2430	1.2513	3.2991	270.9588	19.2100	38.5700	50.3100	0.6964		
27/10/2018	95.0723	1.0041	0.2389	1.2430	3.2627	269.6982	18.9000	38.5500	50.3100	0.7392		
28/10/2018	95.1771	0.9917	0.2306	1.2223	3.1334	266.9915	19.0100	38.5500	50.3200	0.7409		
29/10/2018	94.9111	1.0082	0.2357	1.2439	3.2765	272.5800	19.4100	38.6600	50.3700	0.7394		
30/10/2018	94.8190	1.0060	0.2329	1.2389	3.5461	272.0040	19.2000	38.6200	50.3400	0.6986		
31/10/2018	95.0607	1.0127	0.2370	1.2498	3.2905	271.3841	19.5400	38.5500	50.3000	0.7802		

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

Mínimo	94.1399	0.8531	0.2191	1.0971	3.1334	261.4895	7.3700	38.4900	50.2400	0.4975		
Promedio	94.8421	0.9740	0.2444	1.2184	3.4559	269.7956	18.8074	38.6561	50.3845	1.0107		
Máximo	95.1771	1.0367	0.2692	1.2991	4.0270	276.1216	20.7300	39.0300	50.6400	1.7354		
Desv. Est.	0.27626	0.04878	0.01396	0.05243	0.25009	2.94039	2.29413	0.12165	0.09584	0.35357		

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.
01/10/2018	95.7458	1.0005	0.2908	1.2676	4.0700	284.7247	20.9200	39.5500	51.0600	0.9388		
02/10/2018	95.1049	0.9290	0.2792	1.1773	3.4568	275.6314	22.1300	38.9900	50.6800	1.0289		
03/10/2018	95.2198	0.9880	0.2816	1.2564	4.0537	289.7479	20.1200	39.1200	50.6800	1.1461		
04/10/2018	95.2142	1.0239	0.2657	1.2746	3.5326	283.1904	20.4200	38.7100	50.4200	1.2272		
05/10/2018	95.0015	0.9815	0.2691	1.2435	3.4922	271.0086	90.1700	38.6600	50.4100	1.4614		
06/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	45.3500	38.6500	50.3900	1.5245		
07/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	44.3400	38.6500	50.3900	1.3173		
08/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	45.1400	38.6500	50.3900	1.5155		
09/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	41.5300	38.6500	50.3900	1.7588		
10/10/2018	95.4084	1.0622	0.2897	1.3379	3.4644	273.8016	24.1400	38.6500	50.3900	1.6056		
11/10/2018	95.3128	1.0808	0.2878	1.3430	3.8977	273.6301	24.3400	38.6300	50.3300	1.5786		
12/10/2018	94.9074	1.0590	0.2705	1.3250	3.8381	268.4031	44.2400	38.6200	50.3300	2.0742		
13/10/2018	94.7845	1.0491	0.2686	1.3123	4.6352	286.9737	33.2900	39.4900	50.9300	3.0923		
14/10/2018	94.6803	1.0268	0.2606	1.2787	3.9890	272.2731	35.1900	38.9100	50.5800	1.9030		
15/10/2018	95.3191	1.0930	0.2933	1.3530	3.7710	270.4052	42.9300	38.7600	50.4500	1.8489		
16/10/2018	95.1419	1.1508	0.3172	1.3860	4.7832	268.8929	19.7200	38.8700	50.5100	2.5517		
17/10/2018	94.5083	1.0878	0.2915	1.3547	4.2450	272.4330	18.1100	38.9300	50.5200	1.5966		
18/10/2018	94.5137	1.0624	0.2566	1.3114	4.2128	270.1520	18.5100	39.1000	50.7200	1.6597		
19/10/2018	95.0482	0.9911	0.2504	1.2246	4.1678	278.8399	20.4200	39.0200	50.6600	1.7588		
20/10/2018	95.1132	0.9484	0.2352	1.1710	3.5590	276.9797	28.2600	38.8500	50.6000	0.8577		
21/10/2018	95.0882	0.9768	0.2461	1.2037	3.5036	272.1647	23.0300	38.7400	50.5100	0.7496		
22/10/2018	95.2413	1.0613	0.2637	1.3115	3.4352	274.5493	22.7300	38.6400	50.3900	0.7226		
23/10/2018	95.2671	1.0671	0.2637	1.3172	3.3388	273.6414	23.7400	38.6100	50.3300	0.8577		
24/10/2018	95.1136	1.0645	0.2398	1.2903	3.6813	272.1500	19.9200	38.8400	50.5000	1.1100		
25/10/2018	95.3559	1.1266	0.2635	1.3900	3.7053	273.5773	44.5400	38.7500	50.5000	1.1100		
26/10/2018	95.2820	1.0882	0.2564	1.3261	3.6454	273.5219	23.4400	38.6900	50.4300	0.8307		
27/10/2018	95.3079	1.0533	0.2514	1.3004	3.4556	272.9214	19.8200	38.6100	50.3700	0.8938		
28/10/2018	95.4705	1.0579	0.2459	1.2938	3.8422	269.9402	20.0200	38.7600	50.4400	0.9118		
29/10/2018	95.4680	1.1308	0.2575	1.3677	4.6621	292.8677	20.4200	39.4400	50.8300	0.8938		
30/10/2018	95.0337	1.0217	0.2376	1.2554	3.7653	273.7552	20.3200	38.7200	50.4200	0.7767		
31/10/2018	95.1953	1.0244	0.2589	1.2745	3.5077	272.1735	27.7600	38.6200	50.3600	1.1010		

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Mínimo	94.5083	0.9290	0.2352	1.1710	3.3388	268.4031	18.1100	38.6100	50.3300	0.7226		
Promedio	95.1140	1.0327	0.2657	1.2838	3.7773	274.8859	29.8390	38.8348	50.5132	1.3678		
Máximo	95.7458	1.1508	0.3172	1.3900	4.7832	292.8677	90.1700	39.5500	51.0600	3.0923		
Desv. Est.	0.27391	0.05947	0.01850	0.06058	0.41010	6.19759	14.82699	0.26363	0.18124	0.55318		

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.
01/10/2018	93.5729	0.7502	0.1986	0.9517	2.6786	260.1751	17.6100	38.3300	50.2000	0.4613		
02/10/2018	94.6299	0.8083	0.2271	1.0425	3.1888	266.5501	18.3100	38.6500	50.4100	0.4703		
03/10/2018	93.9388	0.8478	0.2243	1.1053	3.1327	261.9460	17.0000	38.5100	50.2800	0.5514		
04/10/2018	94.7748	0.9203	0.2339	1.1590	3.1326	266.1589	17.8100	38.5200	50.3000	0.4433		
05/10/2018	94.8332	0.9318	0.2416	1.1772	3.2946	266.4035	17.8100	38.6000	50.3400	0.4433		
06/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	10.0700	38.6500	50.3900	0.9478		
07/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	9.1700	38.6500	50.3900	0.5784		
08/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	9.4700	38.6500	50.3900	0.9118		
09/10/2018	94.9219	0.9518	0.2611	1.2129	3.3464	270.7784	10.3700	38.6500	50.3900	1.2272		
10/10/2018	94.8860	0.9518	0.2530	1.2129	3.0191	267.6671	10.2700	38.3900	50.1700	1.2272		
11/10/2018	94.4752	0.9765	0.2522	1.2569	3.1218	266.7186	9.8700	38.4000	50.1800	0.9839		
12/10/2018	94.5705	0.9919	0.2468	1.2507	3.5118	263.5686	9.1700	38.5100	50.2500	0.9749		
13/10/2018	93.4939	0.8566	0.2057	1.0671	3.5975	261.6727	16.8000	38.5400	50.2600	1.4614		
14/10/2018	94.2926	0.9100	0.2196	1.1296	3.6319	255.5295	12.0800	38.6300	50.3500	1.1731		
15/10/2018	94.5140	0.9394	0.2304	1.1914	3.0268	258.8497	10.9700	38.4300	50.2100	0.7046		
16/10/2018	93.5515	0.9489	0.2320	1.1816	3.2032	261.2897	16.2000	38.4600	50.2200	0.9298		
17/10/2018	93.9301	0.9981	0.2287	1.2338	3.8612	266.4525	16.4000	38.6300	50.2900	1.0289		
18/10/2018	93.9656	0.8462	0.2067	1.0574	3.8464	264.0904	15.9000	38.6600	50.3500	0.8758		
19/10/2018	94.0467	0.8545	0.2012	1.0837	3.1753	263.7252	8.4600	38.7500	50.4500	0.5784		
20/10/2018	94.7238	0.8372	0.1883	1.0466	3.2535	269.9212	8.4600	38.6200	50.3900	0.5334		
21/10/2018	94.8516	0.8720	0.2133	1.0888	3.2225	268.0070	8.1600	38.5900	50.3700	0.3622		
22/10/2018	94.9049	0.9457	0.2272	1.1816	3.1283	268.1681	13.0800	38.4700	50.2300	0.4072		
23/10/2018	94.9320	1.0000	0.2364	1.2428	3.1252	270.2980	14.6900	38.4600	50.2200	0.4433		
24/10/2018	94.5241	0.8973	0.2019	1.1181	3.2428	263.7497	17.2100	38.5200	50.2800	0.6415		
25/10/2018	94.4531	0.8973	0.2203	1.1181	3.0447	266.9823	17.6100	38.4400	50.2100	0.5964		
26/10/2018	94.6677	0.9460	0.2312	1.1853	3.0805	268.8606	17.9100	38.4800	50.2400	0.5153		
27/10/2018	94.8999	0.9576	0.2290	1.1904	3.0766	266.3750	9.2700	38.4600	50.2300	0.6055		
28/10/2018	94.4661	0.9555	0.2209	1.1821	2.9130	263.8953	18.0100	38.4000	50.1900	0.5874		
29/10/2018	93.0192	0.9209	0.2156	1.1405	2.8770	263.7192	18.0100	38.3700	50.1200	0.5874		
30/10/2018	94.5875	0.9822	0.2287	1.2140	3.3246	266.5703	11.5800	38.5500	50.3000	0.6235		
31/10/2018	94.8702	0.9748	0.2289	1.2166	3.1402	269.3119	17.5100	38.5200	50.2800	0.5964		

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Mínimo	93.0192	0.7502	0.1883	0.9517	2.6786	255.5295	8.1600	38.3300	50.1200	0.3622		
Promedio	94.4537	0.9202	0.2286	1.1573	3.2334	265.7990	13.7174	38.5319	50.2865	0.7249		
Máximo	94.9320	1.0000	0.2611	1.2569	3.8612	270.7784	18.3100	38.7500	50.4500	1.4614		
Desv. Est.	0.51648	0.06020	0.01968	0.07348	0.25708	3.82402	3.81662	0.10540	0.08456	0.28754		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.