


**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.
2/1/2019	94.9001	0.9216	0.2546	1.1762	3.5795	265.6989	16.8600	38.6100	50.3900	0.9314		
2/2/2019	94.8821	0.9363	0.2761	1.2124	3.5217	267.5026	17.1200	38.6100	50.3700	1.1875		
2/3/2019	95.3522	0.9501	0.3152	1.2654	3.0484	267.3743	17.4900	38.4300	50.2400	1.3711		
2/4/2019	95.4838	0.9202	0.2866	1.2068	2.9708	266.4758	17.0500	38.4300	50.2700	1.2834		
2/5/2019	95.4690	0.9139	0.2472	1.1611	3.0311	270.0479	16.7000	38.4700	50.3200	1.3498		
2/6/2019	95.8681	0.8809	0.2590	1.1400	2.6429	268.1988	18.1100	38.3800	50.2800	1.1574		
2/7/2019	96.0703	0.8727	0.2568	1.1295	2.4962	267.2981	19.7800	38.3000	50.2500	1.0812		
2/8/2019	96.1838	0.8561	0.2699	1.1260	2.4125	267.4685	19.7400	38.2700	50.2400	1.0442		
2/9/2019	96.0782	0.9035	0.2482	1.1517	2.4566	267.6605	18.7200	38.2800	50.2200	1.0661		
2/10/2019	96.2034	0.8976	0.2441	1.1417	2.3351	266.8529	19.0600	38.2700	50.2100	0.9375		
2/11/2019	96.1834	0.9339	0.2398	1.1737	2.3533	267.4939	19.9500	38.2500	50.1800	0.1464		
2/12/2019	95.5129	0.9409	0.2347	1.1756	3.0147	266.5587	20.0300	38.4300	50.2800	0.0199		
2/13/2019	95.3620	0.9353	0.2514	1.1866	3.1493	267.8755	19.5500	38.4900	50.3100	0.0191		
2/14/2019	95.4073	0.9378	0.2467	1.1845	3.0982	265.8284	19.9400	38.4700	50.3000	0.0205		
2/15/2019	95.2021	0.9290	0.2528	1.1818	3.2898	267.8000	19.8900	38.5500	50.3500	0.0197		
2/16/2019	95.2211	0.8944	0.2660	1.1604	3.2312	267.3271	19.8400	38.5700	50.3800	0.0210		
2/17/2019	95.1822	0.9214	0.2590	1.1804	3.2182	267.4586	19.9700	38.5800	50.3700	0.0218		
2/18/2019	95.3208	0.8859	0.2581	1.1439	3.1540	266.6966	19.9800	38.5500	50.3800	0.0198		
2/19/2019	95.1732	0.9271	0.2500	1.1772	3.2788	267.8281	19.8000	38.5700	50.3600	0.0202		
2/20/2019	95.2600	0.9154	0.2391	1.1545	3.2161	265.1737	19.6500	38.5300	50.3600	0.0197		
2/21/2019	95.0659	0.9342	0.2464	1.1806	3.4228	266.1728	18.1600	38.5800	50.3700	1.0046		
2/22/2019	95.0593	0.9532	0.2492	1.2023	3.3978	268.3130	18.2500	38.5800	50.3500	1.3256		
2/23/2019	95.2983	0.9327	0.2598	1.1925	3.1618	268.3567	18.8200	38.5200	50.3300	1.2596		
2/24/2019	95.3188	0.9064	0.2762	1.1825	3.1133	265.8382	19.1400	38.5200	50.3400	1.1179		
2/25/2019	95.5062	0.9051	0.2982	1.2033	2.9457	266.5646	19.0400	38.4500	50.2900	1.0322		
2/26/2019	95.4376	0.8987	0.2900	1.1887	3.0118	267.7013	19.2700	38.4900	50.3200	1.1232		
2/27/2019	95.4021	0.9021	0.2848	1.1869	3.0277	268.0816	19.6800	38.5100	50.3300	1.1432		
2/28/2019	95.5792	0.8893	0.2881	1.1774	2.8899	268.6227	19.7000	38.4500	50.3100	1.0612		

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

Mínimo	94.8821	0.8561	0.2347	1.1260	2.3351	265.1737	16.7000	38.2500	50.1800	0.0191		
Promedio	95.4637	0.9141	0.2624	1.1766	3.0168	267.2954	18.9746	38.4693	50.3107	0.7430		
Máximo	96.2034	0.9532	0.3152	1.2654	3.5795	270.0479	20.0300	38.6100	50.3900	1.3711		
Desv. Est.	0.38104	0.02405	0.02000	0.02870	0.34661	1.03892	1.07938	0.10995	0.05754	0.55008		

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.
2/1/2019	95.1531	0.9684	0.2645	1.2221	3.7185	268.1762	17.7100	38.6900	50.4400	1.0380		
2/2/2019	95.1802	1.0184	0.3006	1.2766	3.7395	269.2519	18.2100	38.7000	50.4300	1.4524		
2/3/2019	95.5942	1.0355	0.3458	1.3505	3.2958	268.7954	18.4100	38.5900	50.3800	1.7137		
2/4/2019	95.6709	1.0596	0.3297	1.3215	3.2799	271.2756	17.9100	38.5300	50.3700	1.4614		
2/5/2019	95.8434	1.0258	0.2706	1.2734	3.4455	271.6910	17.9100	38.7000	50.6600	1.6236		
2/6/2019	96.1635	1.0813	0.2808	1.3009	2.7955	271.4726	21.0200	38.4700	50.3500	1.3533		
2/7/2019	96.2672	0.9412	0.2837	1.1950	2.7577	270.2286	21.2300	38.4200	50.3400	1.2632		
2/8/2019	96.3376	0.9163	0.2929	1.1766	2.5724	269.7482	20.9200	38.3100	50.2800	1.2182		
2/9/2019	96.2453	0.9563	0.2754	1.2068	2.6420	268.7274	19.8200	38.3700	50.2900	1.4164		
2/10/2019	96.3734	0.9550	0.2588	1.2005	2.6935	270.3337	19.9200	38.3700	50.2800	1.1731		
2/11/2019	96.4228	0.9979	0.2514	1.2321	2.5162	269.8048	21.0200	38.3000	50.2400	1.0650		
2/12/2019	96.3222	0.9810	0.2517	1.2153	3.2758	269.5432	21.3300	38.5300	50.3500	0.0648		
2/13/2019	95.7404	0.9984	0.2693	1.2544	3.7075	272.0383	20.6200	38.6000	50.4200	0.0648		
2/14/2019	95.7898	0.9853	0.2590	1.2310	3.4448	267.9239	21.0200	38.5700	50.4100	0.0558		
2/15/2019	95.6196	1.0305	0.2658	1.2726	3.6321	272.7578	20.6200	38.7100	50.4500	0.0288		
2/16/2019	95.5583	0.9553	0.2821	1.2084	3.8952	271.6053	20.5200	38.7300	50.4700	0.0288		
2/17/2019	95.3891	0.9796	0.2718	1.2445	3.6425	270.2555	20.9200	38.7100	50.4100	0.0288		
2/18/2019	95.4968	0.9756	0.2785	1.2355	3.6913	270.9074	20.9200	38.6400	50.4400	0.0288		
2/19/2019	95.3946	0.9712	0.2785	1.2236	3.4626	270.6983	20.8200	38.6800	50.4400	0.0288		
2/20/2019	95.4349	1.0163	0.2568	1.2574	3.4882	269.9809	20.4200	38.6200	50.4500	0.0288		
2/21/2019	95.5908	1.0131	0.2603	1.2670	3.7321	273.2194	20.3200	38.6800	50.4600	1.8219		
2/22/2019	95.4614	1.0392	0.2838	1.2895	4.0274	272.0418	19.5200	38.7400	50.4300	1.8219		
2/23/2019	95.4577	0.9770	0.2786	1.2295	3.6184	272.9895	20.0200	38.6900	50.4400	1.4344		
2/24/2019	95.6862	0.9656	0.3083	1.2704	3.4490	270.8300	19.9200	38.6700	50.4500	1.5245		
2/25/2019	95.7205	1.0366	0.3177	1.3283	3.0780	268.7818	19.8200	38.5200	50.3500	1.2272		
2/26/2019	95.5359	0.9311	0.3128	1.2181	3.0971	271.1308	20.2200	38.5400	50.3600	1.3173		
2/27/2019	95.6050	0.9711	0.2965	1.2537	3.3007	272.2986	20.5200	38.6300	50.4100	1.3894		
2/28/2019	95.7670	0.9617	0.3006	1.2529	3.0411	273.0507	20.6200	38.5500	50.3900	1.3353		

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Mínimo	95.1531	0.9163	0.2514	1.1766	2.5162	267.9239	17.7100	38.3000	50.2400	0.0288		
Promedio	95.7436	0.9909	0.2831	1.2503	3.3229	270.6985	20.0796	38.5807	50.3996	0.9646		
Máximo	96.4228	1.0813	0.3458	1.3505	4.0274	273.2194	21.3300	38.7400	50.6600	1.8219		
Desv. Est.	0.36810	0.03987	0.02383	0.04197	0.42382	1.51486	1.07977	0.13047	0.08007	0.67392		

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.
2/1/2019	94.7231	0.8795	0.2413	1.1395	3.3747	263.8085	15.8000	38.5000	50.3100	0.8307		
2/2/2019	94.6328	0.8955	0.2533	1.1631	3.2305	264.3779	16.0000	38.4600	50.2500	0.8668		
2/3/2019	95.0248	0.8835	0.2951	1.1789	2.8155	264.6985	16.4000	38.3200	50.1200	1.1551		
2/4/2019	95.0733	0.8489	0.2488	1.1316	2.8486	261.3094	15.7000	38.3400	50.1700	0.9388		
2/5/2019	95.0103	0.6343	0.2091	0.8434	2.6945	265.3754	15.5000	38.4000	50.2200	0.8938		
2/6/2019	95.6493	0.8153	0.2138	1.0628	2.2655	264.2915	9.0600	38.1700	50.0400	0.8668		
2/7/2019	95.8089	0.8053	0.2381	1.0663	2.3259	264.5815	17.9100	38.2300	50.1700	0.8037		
2/8/2019	95.9758	0.8088	0.2441	1.0679	2.2492	264.6236	18.3100	38.2300	50.1800	0.9118		
2/9/2019	95.8884	0.8513	0.2325	1.0937	2.2871	266.0625	17.4100	38.2400	50.1700	0.8397		
2/10/2019	95.8360	0.8179	0.2219	1.0590	2.2436	264.0028	17.5100	38.2300	50.1600	0.6956		
2/11/2019	96.0206	0.8923	0.2188	1.1244	2.1084	265.4572	18.5100	38.1400	50.0800	0.0108		
2/12/2019	95.2464	0.8956	0.2199	1.1331	2.2291	264.4371	18.6100	38.1700	50.1100	0.0108		
2/13/2019	94.7932	0.8537	0.2331	1.1051	2.8050	263.7119	17.8100	38.3800	50.2500	0.0108		
2/14/2019	95.0372	0.8570	0.2347	1.1052	2.7386	259.6687	18.7100	38.3700	50.2300	0.0108		
2/15/2019	94.8469	0.8705	0.2276	1.1258	2.9687	263.7002	18.7100	38.4100	50.2800	0.0108		
2/16/2019	94.5469	0.8571	0.2440	1.1144	2.9213	264.5129	18.4100	38.4400	50.2800	0.0108		
2/17/2019	94.6762	0.8798	0.2503	1.1331	3.0430	264.3732	18.9100	38.5100	50.3400	0.0108		
2/18/2019	94.7443	0.8441	0.2448	1.0935	2.9863	261.3939	19.1100	38.4700	50.3000	0.0108		
2/19/2019	94.9528	0.8831	0.2325	1.1425	3.0940	266.1887	18.0100	38.5000	50.3100	0.0108		
2/20/2019	94.9826	0.8464	0.2278	1.0755	3.0730	262.1718	18.6100	38.4500	50.2500	0.0108		
2/21/2019	94.7574	0.8456	0.2311	1.0771	2.9572	260.5993	16.4000	38.3600	50.2200	0.0108		
2/22/2019	94.3714	0.8598	0.2343	1.1030	3.0262	266.1551	14.2900	38.4800	50.2900	1.0019		
2/23/2019	94.8714	0.8973	0.2346	1.1427	2.9999	265.0040	17.2100	38.4500	50.2700	0.9478		
2/24/2019	94.9555	0.8571	0.2585	1.1229	2.7252	261.5416	17.9100	38.3600	50.2000	0.8577		
2/25/2019	95.3743	0.8634	0.2817	1.1529	2.6878	264.1142	18.0100	38.3200	50.1300	0.7767		
2/26/2019	95.3320	0.8719	0.2777	1.1556	2.9015	265.4671	18.2100	38.4300	50.2800	0.9028		
2/27/2019	95.1328	0.8522	0.2721	1.1274	2.8315	264.4353	18.7100	38.4300	50.2700	0.9659		
2/28/2019	95.3622	0.8392	0.2762	1.1283	2.7281	266.2148	18.0100	38.3900	50.2500	0.7947		

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Mínimo	94.3714	0.6343	0.2091	0.8434	2.1084	259.6687	9.0600	38.1400	50.0400	0.0108		
Promedio	95.1295	0.8502	0.2428	1.1060	2.7557	264.0100	17.2768	38.3636	50.2189	0.5418		
Máximo	96.0206	0.8973	0.2951	1.1789	3.3747	266.2148	19.1100	38.5100	50.3400	1.1551		
Desv. Est.	0.45881	0.04949	0.02155	0.06066	0.33979	1.74225	2.02478	0.10972	0.07617	0.44211		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.