

**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.
01/01/2021	94.9565	0.8566	0.6726	1.5292	3.3317	242.9565	18.1200	38.2500	50.0500	0.8815	<10.8	0.00
02/01/2021	94.9508	0.8860	0.7054	1.5913	3.2888	243.2361	17.7500	38.2100	49.9800	0.7710		
03/01/2021	95.0115	0.8673	0.7008	1.5681	3.2735	241.8544	18.3400	38.2000	50.0000	0.8455		
04/01/2021	95.0441	0.8509	0.7190	1.5698	3.2495	242.0825	18.2000	38.1900	49.9900	0.8577		
05/01/2021	95.0941	0.8540	0.7349	1.5889	3.1720	243.2126	18.5700	38.1700	49.9700	0.8268		
06/01/2021	95.1486	0.7708	0.8825	1.6533	3.0380	242.8268	18.9600	38.1200	49.9300	0.8762		
07/01/2021	95.0527	0.7419	0.9507	1.6926	3.0930	242.0814	18.8100	38.1200	49.9100	0.7654		
08/01/2021	95.1054	0.7514	0.9566	1.7080	3.0342	242.7732	19.0400	38.0900	49.8900	0.8357		
09/01/2021	95.0669	0.7274	0.9973	1.7248	3.0605	242.0769	18.5800	38.0900	49.8900	0.9434		
10/01/2021	95.1029	0.7281	0.9944	1.7226	3.0260	242.5197	14.6400	38.0800	49.8800	0.3862		
11/01/2021	95.0425	0.7659	0.9285	1.6944	3.1325	242.0023	7.0800	38.1000	49.9000	0.3862		
12/01/2021	95.0010	0.7714	0.9059	1.6772	3.1699	243.5242	17.3000	38.1400	49.9300	0.7137		
13/01/2021	95.0653	0.7864	0.9103	1.6968	3.0887	243.6250	16.9200	38.1100	49.9000	0.6952		
14/01/2021	95.0472	0.7583	0.9304	1.6887	3.1211	242.0465	17.1900	38.1100	49.9100	0.8134		
15/01/2021	95.1375	0.7384	0.9561	1.6946	3.0163	241.9933	17.6400	38.0800	49.9000	0.7603		
16/01/2021	95.1367	0.7352	0.9600	1.6951	3.0207	241.9592	17.6400	38.0800	49.9000	0.7996		
17/01/2021	94.9992	0.7724	0.9312	1.7036	3.1514	241.1712	18.5600	38.1100	49.9000	0.9264		
18/01/2021	95.0345	0.8162	0.8651	1.6813	3.1349	241.6186	18.2700	38.1200	49.9000	0.9148		
19/01/2021	95.2162	0.7523	0.9650	1.7173	2.9176	242.2141	18.3700	38.0600	49.8700	0.8591		
20/01/2021	95.1987	0.7665	0.9398	1.7062	2.9419	242.2733	18.5800	38.0600	49.8700	0.9330		
21/01/2021	95.0909	0.8178	0.8593	1.6771	3.0818	242.3346	18.8200	38.1100	49.9000	0.9856		
22/01/2021	95.1373	0.7501	0.9644	1.7146	3.0002	241.9226	18.4200	38.0700	49.8700	0.8911		
23/01/2021	95.0309	0.7360	0.9731	1.7090	3.1324	241.6433	17.6200	38.0900	49.9000	0.9250		
24/01/2021	95.0822	0.7816	0.9089	1.6905	3.0776	242.5200	17.7700	38.1000	49.8900	0.9384		
25/01/2021	95.2338	0.8023	0.8168	1.6190	2.9981	242.7469	17.8200	38.1100	49.9300	0.9454		
26/01/2021	95.2405	0.7071	1.0204	1.7274	2.8747	243.0011	18.4600	38.0400	49.8600	0.9341		
27/01/2021	95.2057	0.7216	0.9873	1.7088	2.9399	243.0347	18.6400	38.0600	49.8800	0.9584		
28/01/2021	95.0284	0.7397	0.9806	1.7203	3.0500	242.9757	18.2700	38.1200	49.9000	0.9199		
29/01/2021	95.2441	0.7386	0.9688	1.7075	2.8741	244.2059	18.3300	38.0700	49.8800	0.8014		
30/01/2021	95.3409	0.7122	1.0437	1.7560	2.7491	242.7780	18.8100	38.0000	49.8300	0.6921		
31/01/2021	95.2195	0.7382	0.9872	1.7254	2.8866	242.1608	18.5000	38.0600	49.8600	0.5935		

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

<b>Mínimo</b>	94.9508	0.7071	0.6726	1.5292	2.7491	241.1712	7.0800	38.0000	49.8300	0.3862		
<b>Promedio</b>	95.1054	0.7723	0.9070	1.6793	3.0622	242.4959	17.7426	38.1071	49.9087	0.8186		
<b>Máximo</b>	95.3409	0.8860	1.0437	1.7560	3.3317	244.2059	19.0400	38.2500	50.0500	0.9856		
<b>Desv. Est.</b>	0.09484	0.04873	0.10142	0.05534	0.13173	0.66831	2.14673	0.05261	0.04646	0.14778		

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

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL  
(Registros Máximos diarios)**

<b>PERMISIONARIO:</b>	TRACTEBEL GNP, S.A. de C.V.	
<b>PUNTO DE MEDICIÓN:</b>	Nuevo Madero	
<b>ZONA DE MEDICIÓN:</b>	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.
01/01/2021	95.1292	0.9561	0.7341	1.6519	3.7219	244.4933	30.9700	38.4000	50.1600	1.2452		
02/01/2021	95.1704	0.9717	0.7680	1.6759	3.4935	244.6740	37.9100	38.2700	50.0300	1.1281		
03/01/2021	95.1921	0.9778	0.7664	1.6426	3.4016	242.9599	45.4500	38.2400	50.0600	1.2632		
04/01/2021	95.2037	0.9400	0.7912	1.6511	3.3799	243.7005	44.6400	38.2300	50.0500	1.3623		
05/01/2021	95.3898	0.9315	0.8011	1.6664	3.3849	246.8315	43.7400	38.2200	50.0200	1.1821		
06/01/2021	95.3601	0.8604	0.9431	1.7330	3.2083	245.4097	39.8200	38.1900	50.0100	1.1821		
07/01/2021	95.1618	0.8080	1.0611	1.7743	3.1887	243.8524	45.1400	38.1600	49.9600	1.1371		
08/01/2021	95.3018	0.8104	1.0053	1.7763	3.1750	243.5284	45.8500	38.1300	49.9400	1.1461		
09/01/2021	95.2947	0.8207	1.0849	1.7889	3.3977	243.5296	44.6400	38.1800	49.9500	1.2542		
10/01/2021	95.3138	0.8157	1.1041	1.7754	3.2087	243.6235	43.6400	38.1300	49.9200	1.4434		
11/01/2021	95.2408	0.8278	0.9729	1.7557	3.2678	243.5413	43.6400	38.1500	49.9600	0.8307		
12/01/2021	95.2610	0.8545	0.9972	1.7520	3.9360	245.0527	44.1400	38.3700	50.0800	1.0019		
13/01/2021	95.2659	0.9103	1.0248	1.8163	3.2764	244.7350	44.3400	38.1500	49.9600	1.0289		
14/01/2021	95.2227	0.8743	1.0620	1.8009	3.4587	243.4308	44.4400	38.2100	49.9800	1.0830		
15/01/2021	95.2797	0.8082	1.0322	1.7898	3.1811	242.8831	44.2400	38.1500	49.9700	1.1010		
16/01/2021	95.2455	0.8260	1.0095	1.7523	3.0959	242.7293	44.8400	38.1100	49.9300	1.1461		
17/01/2021	95.1195	0.8644	0.9906	1.7765	3.2227	242.3942	45.0400	38.1300	49.9400	1.2272		
18/01/2021	95.1760	0.8931	0.9623	1.7698	3.2965	242.7597	43.5400	38.1700	49.9500	1.2722		
19/01/2021	95.3309	0.8434	1.0264	1.7855	3.1515	243.1896	34.1900	38.1200	49.9100	1.2542		
20/01/2021	95.3097	0.9036	1.0805	1.7793	3.1361	243.2327	44.9400	38.1400	49.9300	1.3353		
21/01/2021	95.2773	0.8714	0.9043	1.7570	3.2635	243.3245	43.0300	38.1700	49.9500	1.3984		
22/01/2021	95.2719	0.8636	1.0631	1.8006	3.3179	242.8982	45.2400	38.1800	49.9500	1.4795		
23/01/2021	95.1752	0.8204	1.0132	1.7838	3.3558	242.5992	22.9300	38.1600	49.9400	1.2902		
24/01/2021	95.2948	0.8551	0.9548	1.7616	3.2700	243.7339	44.6400	38.1700	49.9500	1.3173		
25/01/2021	95.4601	0.8641	0.9159	1.7099	3.2044	243.7936	44.3400	38.1700	49.9800	1.3713		
26/01/2021	95.4221	0.8513	1.0987	1.8785	3.0022	244.3566	43.7400	38.0900	49.9200	1.2452		
27/01/2021	95.4488	0.8358	1.0624	1.7911	3.4241	244.9508	39.3200	38.2300	49.9600	1.3083		
28/01/2021	95.2449	0.8199	1.0593	1.7809	3.2856	243.9848	44.9400	38.3300	50.0300	1.5335		
29/01/2021	95.5037	0.8424	1.0494	1.7840	3.1672	245.9881	45.0400	38.1500	49.9500	0.9839		
30/01/2021	95.5275	0.8248	1.0737	1.8812	2.8725	244.1978	44.5400	38.0600	49.8900	0.9478		
31/01/2021	95.4304	0.8505	1.0950	1.8151	3.0905	243.3251	44.7400	38.1300	49.9100	0.6865		

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

<b>Mínimo</b>	95.1195	0.8080	0.7341	1.6426	2.8725	242.3942	22.9300	38.0600	49.8900	0.6865		
<b>Promedio</b>	95.2912	0.8644	0.9841	1.7631	3.2851	243.8614	42.5048	38.1835	49.9723	1.1996		
<b>Máximo</b>	95.5275	0.9778	1.1041	1.8812	3.9360	246.8315	45.8500	38.4000	50.1600	1.5335		
<b>Desv. Est.</b>	0.10846	0.04891	0.10816	0.05799	0.19934	1.02498	4.94718	0.07601	0.05812	0.18560		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL  
(Registros Mínimos diarios)**

<b>PERMISIONARIO:</b>	<b>TRACTEBEL GNP, S.A. de C.V.</b>	
<b>PUNTO DE MEDICIÓN:</b>	<b>Nuevo Madero</b>	
<b>ZONA DE MEDICIÓN:</b>	<b>RESTO DEL PAÍS</b>	

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.
01/01/2021	94.5357	0.7737	0.5839	1.4521	3.1420	241.9980	6.7500	38.1600	49.9200	0.6415		
02/01/2021	94.6971	0.8301	0.6447	1.5111	3.1077	241.5028	11.0700	38.1500	49.9100	0.5784		
03/01/2021	94.8541	0.7872	0.5861	1.4827	3.0896	240.6583	7.7600	38.1600	49.9100	0.5244		
04/01/2021	94.8483	0.7993	0.6270	1.5018	3.1168	240.4948	7.9600	38.1500	49.9400	0.5514		
05/01/2021	94.8143	0.7899	0.6774	1.5236	2.8732	240.8420	7.6600	38.1000	49.9000	0.6145		
06/01/2021	94.9552	0.6989	0.7481	1.5780	2.8768	240.4240	9.7700	38.0700	49.8600	0.6505		
07/01/2021	94.9216	0.6721	0.9011	1.6480	2.9590	240.4230	7.2600	38.0600	49.8500	0.5424		
08/01/2021	94.9198	0.7090	0.8889	1.6302	2.8326	241.7469	7.8600	38.0300	49.8400	0.6055		
09/01/2021	94.7340	0.6467	0.8892	1.6614	2.7827	240.4532	6.9500	38.0200	49.8200	0.6685		
10/01/2021	94.9071	0.6470	0.9322	1.6791	2.8018	241.4563	6.9500	38.0200	49.8400	0.6685		
11/01/2021	94.8627	0.7088	0.8696	1.6364	2.9150	240.0903	6.9500	38.0500	49.8700	0.6685		
12/01/2021	94.2331	0.6856	0.7980	1.5676	2.9683	242.2991	5.7500	38.0800	49.8500	0.3351		
13/01/2021	94.8378	0.6947	0.8323	1.6274	2.9052	242.2400	5.8500	38.0600	49.8000	0.4793		
14/01/2021	94.7252	0.6970	0.8058	1.6053	2.9378	240.5119	5.4500	38.0300	49.8100	0.5514		
15/01/2021	94.9813	0.6780	0.8021	1.5926	2.9178	241.1719	6.3500	38.0500	49.8300	0.5874		
16/01/2021	95.0453	0.6842	0.9108	1.6489	2.9286	240.7057	6.1500	38.0500	49.8400	0.5244		
17/01/2021	94.9030	0.7212	0.8556	1.6576	3.0106	240.0940	8.9600	38.0600	49.8400	0.7136		
18/01/2021	94.8824	0.7722	0.8126	1.6352	2.9469	240.8088	7.2600	38.0600	49.8300	0.6055		
19/01/2021	95.0223	0.6795	0.8539	1.6655	2.8048	240.9459	7.2600	38.0100	49.8100	0.6415		
20/01/2021	95.0323	0.6897	0.7717	1.6190	2.7666	241.4932	7.3600	37.9900	49.8100	0.6956		
21/01/2021	94.9138	0.7708	0.7912	1.6176	2.9463	241.5014	8.7600	38.0800	49.8400	0.6685		
22/01/2021	94.7572	0.7021	0.8250	1.6457	2.8185	240.8866	7.0500	37.9900	49.8000	0.6505		
23/01/2021	94.7361	0.6994	0.8945	1.6788	2.9717	240.4546	6.6500	38.0500	49.8500	0.6685		
24/01/2021	94.9196	0.7280	0.8356	1.6287	2.8688	240.8797	15.4000	38.0600	49.8500	0.7136		
25/01/2021	95.0219	0.7553	0.7515	1.5473	2.8463	241.1675	16.0000	38.0600	49.8600	0.6595		
26/01/2021	95.1140	0.6490	0.8504	1.6289	2.7366	242.0556	6.4500	37.9600	49.7100	0.6956		
27/01/2021	94.6993	0.6522	0.8575	1.6609	2.6578	241.8468	7.5600	37.9900	49.8200	0.5694		
28/01/2021	94.6532	0.6522	0.9009	1.6611	2.8447	242.0021	11.1800	38.0200	49.8200	0.7046		
29/01/2021	95.0090	0.6665	0.8575	1.6356	2.6197	242.8002	9.0600	38.0000	49.8200	0.6685		
30/01/2021	95.0964	0.6609	0.9154	1.6684	2.5424	241.3654	7.4600	37.9600	49.7300	0.5784		
31/01/2021	94.9879	0.6602	0.8895	1.6774	2.6831	241.1459	7.0500	37.9700	49.7900	0.4883		

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

<b>Mínimo</b>	94.2331	0.6467	0.5839	1.4521	2.5424	240.0903	5.4500	37.9600	49.7100	0.3351		
<b>Promedio</b>	94.8587	0.7084	0.8116	1.6121	2.8781	241.1763	8.0629	38.0484	49.8377	0.6101		
<b>Máximo</b>	95.1140	0.8301	0.9322	1.6791	3.1420	242.8002	16.0000	38.1600	49.9400	0.7136		
<b>Desv. Est.</b>	0.18016	0.05155	0.09707	0.06204	0.14270	0.70138	2.44877	0.05490	0.04863	0.08388		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.