

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.
01/01/2023	94.4292	1.0276	0.6584	1.6861	3.7015	239.9169	17.3600	38.3000	49.9600	1.6924	<10.8	0.00
02/01/2023	94.5186	1.0118	0.6577	1.6695	3.6285	240.3776	16.8300	38.2800	49.9600	1.5656		
03/01/2023	94.7880	1.0624	0.6173	1.6797	3.3463	241.8828	17.0200	38.2100	49.8900	1.5824		
04/01/2023	94.6953	1.0529	0.6486	1.7016	3.3576	241.8651	17.8800	38.2300	49.9100	1.7052		
05/01/2023	94.5081	1.0009	0.7562	1.7570	3.4671	240.0274	17.7100	38.2700	49.9100	2.1969		
06/01/2023	94.1105	0.8826	0.9223	1.8049	3.6345	241.0267	17.6900	38.4200	50.0000	2.2903		
07/01/2023	93.8801	0.9132	0.9272	1.8404	3.6768	239.8917	18.9100	38.5400	50.0600	2.4492		
08/01/2023	94.0297	0.9826	0.8176	1.8002	3.6012	238.0947	20.0500	38.5200	50.0500	2.6787		
09/01/2023	94.2058	1.0191	0.7693	1.7884	3.4904	238.2077	20.3800	38.4500	50.0000	2.6460		
10/01/2023	94.1953	0.9488	0.8818	1.8306	3.4514	237.9279	20.5700	38.4300	49.9900	2.5467		
11/01/2023	94.0939	0.8549	0.9955	1.8504	3.5371	236.6101	19.7400	38.4400	50.0000	2.5329		
12/01/2023	93.9881	0.8659	1.0026	1.8685	3.5807	236.8569	19.1500	38.4700	50.0100	2.4619		
13/01/2023	93.8892	0.9429	0.9288	1.8717	3.5958	239.7312	18.4400	38.5400	50.0300	2.2474		
14/01/2023	93.9470	0.9334	0.9255	1.8589	3.5871	240.1363	19.0600	38.5300	50.0300	2.2572		
15/01/2023	93.8602	0.9158	0.9406	1.8564	3.5144	238.7681	17.9800	38.5900	50.0700	2.2087		
16/01/2023	93.7687	0.9725	0.8605	1.8330	3.4772	238.9697	18.5800	38.6900	50.1300	2.4753		
17/01/2023	93.8427	0.9590	0.8794	1.8384	3.4777	239.1307	18.6400	38.6300	50.0900	1.7659		
18/01/2023	93.8854	0.9138	0.9462	1.8600	3.5643	238.0873	19.0000	38.5600	50.0500	1.4876		
19/01/2023	93.7013	0.9423	0.9247	1.8670	3.5936	239.7651	19.5200	38.6800	50.1100	1.4114		
20/01/2023	93.9053	0.9471	0.9312	1.8782	3.5781	242.3804	20.6300	38.5400	50.0300	1.3226		
21/01/2023	94.3310	0.9969	0.8404	1.8374	3.5943	243.9740	20.2600	38.2700	49.8800	1.5237		
22/01/2023	94.4629	0.9669	0.8269	1.7938	3.5317	243.9501	18.1000	38.2300	49.8900	1.5595		
23/01/2023	94.3876	0.9955	0.7708	1.7663	3.6385	244.9082	18.4000	38.2700	49.9100	1.4052		
24/01/2023	94.3087	1.0236	0.7203	1.7439	3.7417	246.1512	20.7700	38.3100	49.9300	1.6224		
25/01/2023	94.4374	1.1147	0.5742	1.6889	3.6287	247.0410	20.2000	38.3300	49.9500	1.5250		
26/01/2023	94.5347	1.0507	0.6655	1.7163	3.5651	246.3406	32.8400	38.2500	49.9000	1.1701		
27/01/2023	94.6841	1.0473	0.6763	1.7236	3.4077	245.9078	105.3200	38.2100	49.8800	0.5236		
28/01/2023	94.7230	1.0165	0.7308	1.7473	3.3234	245.5907	111.5300	38.2000	49.8700	0.7805		
29/01/2023	94.6773	1.0648	0.6753	1.7401	3.4044	244.7864	111.4100	38.2000	49.8600	0.9300		
30/01/2023	94.7426	1.1708	0.5049	1.6758	3.3788	244.9124	110.3700	38.2400	49.8900	1.3358		
31/01/2023	94.7187	1.2234	0.4307	1.6540	3.4088	245.2870	95.8200	38.2700	49.9100	1.6896		

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

Mínimo	93.7013	0.8549	0.4307	1.6540	3.3234	236.6101	16.8300	38.2000	49.8600	0.5236		
Promedio	94.2661	0.9942	0.7873	1.7816	3.5318	241.5646	33.5535	38.3903	49.9726	1.7932		
Máximo	94.7880	1.2234	1.0026	1.8782	3.7417	247.0410	111.5300	38.6900	50.1300	2.6787		
Desv. Est.	0.34279	0.08250	0.14898	0.07257	0.10923	3.17236	32.89470	0.15681	0.07848	0.57499		

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.
01/01/2023	94.6718	1.0942	0.6912	1.7337	4.0646	240.7596	18.3100	38.4200	50.0500	1.8849		
02/01/2023	94.8839	1.1127	0.7610	1.7398	3.9052	242.6224	18.2100	38.3600	50.0000	1.7498		
03/01/2023	94.9554	1.1211	0.6809	1.7555	3.6346	242.5947	18.3100	38.3000	49.9700	1.7678		
04/01/2023	95.0397	1.1343	0.8494	1.7883	4.2408	243.0789	18.7100	38.6700	50.1800	2.2634		
05/01/2023	94.8783	1.2003	0.9436	1.8635	4.4491	241.5708	18.5100	38.7500	50.2100	2.7139		
06/01/2023	94.8128	0.9695	1.0485	1.8787	4.2406	243.1702	19.1100	38.7700	50.2200	2.6869		
07/01/2023	94.1024	0.9770	0.9755	1.9042	3.8922	241.9309	20.1200	38.6300	50.1400	2.8130		
08/01/2023	94.3231	1.0883	0.9282	1.9035	3.8048	238.9436	21.0200	38.6500	50.1300	3.0203		
09/01/2023	94.3463	1.0780	0.9381	1.8896	3.7063	238.9808	21.4300	38.6200	50.1000	3.1644		
10/01/2023	94.3792	1.0861	1.0839	1.9168	3.5864	239.0092	21.8300	38.5300	50.0800	3.0293		
11/01/2023	94.3142	0.9643	1.0711	1.9243	3.7058	237.2885	20.7200	38.5200	50.0600	2.8581		
12/01/2023	94.0984	0.9357	1.1351	1.9520	3.7643	237.6257	20.1200	38.6200	50.1100	2.8130		
13/01/2023	94.1626	1.0220	1.2500	2.0114	3.7247	241.0268	19.2200	38.6300	50.1100	2.8220		
14/01/2023	94.1250	0.9960	1.0351	1.9369	3.7686	241.2276	19.9200	38.6700	50.1300	2.6508		
15/01/2023	94.1048	1.0390	1.2247	2.0151	3.7437	240.9827	19.7200	38.7600	50.1800	2.6508		
16/01/2023	93.9718	1.0346	0.9209	1.9132	3.5750	239.8891	19.3200	38.8400	50.2300	2.8310		
17/01/2023	94.1156	1.1131	0.9285	1.9542	3.6483	240.1943	19.6200	38.9500	50.3300	2.6959		
18/01/2023	94.1722	1.0353	1.0337	1.9468	3.8243	239.3397	19.8200	38.7000	50.1400	2.1372		
19/01/2023	93.9564	1.0000	1.0633	1.9799	3.7862	240.7055	20.3200	38.7500	50.1800	1.9570		
20/01/2023	94.4692	1.0871	1.0120	1.9887	3.7472	245.5218	21.8300	38.7500	50.1500	2.2003		
21/01/2023	94.8172	1.1036	0.9444	1.9551	3.9133	245.0199	22.6300	38.3700	49.9900	2.4166		
22/01/2023	94.7568	1.0587	0.8746	1.8696	4.1490	246.5142	18.9100	38.4200	50.0000	2.7409		
23/01/2023	94.7930	1.1401	0.9027	1.8624	4.4780	246.1003	19.8200	38.6400	50.1500	2.6148		
24/01/2023	94.6869	1.1648	0.8370	1.8508	4.7243	247.0431	22.0300	38.7900	50.2300	2.6688		
25/01/2023	94.8155	1.2271	0.6871	1.8451	4.6645	248.0075	21.2300	38.8100	50.2500	2.7589		
26/01/2023	94.7357	1.1491	0.7368	1.7975	3.9171	247.5499	324.1300	38.3600	49.9900	2.4075		
27/01/2023	94.8083	1.1273	0.7436	1.7905	3.5048	246.3546	238.4100	38.2400	49.9200	1.0019		
28/01/2023	94.8642	1.1207	0.8106	1.8218	3.4399	246.0418	286.5500	38.2600	49.9200	1.4074		
29/01/2023	94.7552	1.1514	0.7408	1.8253	3.4848	245.5959	297.3000	38.2400	49.9200	1.7498		
30/01/2023	94.8934	1.3073	0.6616	1.7805	3.5212	245.6484	323.2300	38.2700	49.9400	2.2904		
31/01/2023	94.9018	1.3008	0.4931	1.7331	4.1270	247.2415	321.7200	38.5200	50.0700	2.6238		

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Mínimo	93.9564	0.9357	0.4931	1.7331	3.4399	237.2885	18.2100	38.2400	49.9200	1.0019		
Promedio	94.5391	1.0948	0.9035	1.8751	3.8947	242.8252	73.9397	38.5745	50.0994	2.4320		
Máximo	95.0397	1.3073	1.2500	2.0151	4.7243	248.0075	324.1300	38.9500	50.3300	3.1644		
Desv. Est.	0.34571	0.08982	0.17575	0.08300	0.34209	3.22350	112.68992	0.20108	0.10869	0.51129		

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.
01/01/2023	94.1037	0.9777	0.5937	1.6113	3.4778	239.2542	16.3000	38.2200	49.8800	1.5245		
02/01/2023	94.2012	0.9210	0.5271	1.5925	3.2864	238.7829	15.7000	38.2200	49.9100	1.3804		
03/01/2023	94.5135	0.9927	0.5816	1.6361	3.2014	240.8044	16.0000	38.1500	49.8300	1.3894		
04/01/2023	93.5366	0.9248	0.5243	1.6177	3.1104	239.8946	16.4000	38.1300	49.8100	1.1911		
05/01/2023	93.2748	0.8825	0.5682	1.6771	3.1107	238.4614	16.5000	38.1200	49.8000	1.6507		
06/01/2023	93.3525	0.7935	0.8069	1.7369	3.0754	238.7139	16.2000	38.1100	49.8100	1.9480		
07/01/2023	93.5699	0.8485	0.8903	1.7719	3.5284	238.2492	16.7000	38.4400	49.9800	2.1102		
08/01/2023	93.7091	0.8927	0.6747	1.7363	3.4005	237.1817	19.0100	38.4100	49.9600	2.4075		
09/01/2023	93.9703	0.9515	0.7268	1.7395	3.1639	235.5930	19.4200	38.3900	49.9300	2.1643		
10/01/2023	94.0322	0.7990	0.7606	1.7510	3.2771	235.5640	19.1100	38.3700	49.9200	2.2273		
11/01/2023	93.9048	0.7964	0.8925	1.7636	3.3043	235.9181	18.4100	38.3500	49.9300	2.2994		
12/01/2023	93.7444	0.8012	0.8948	1.8020	3.4618	235.0543	18.1100	38.3800	49.9300	1.9300		
13/01/2023	93.7027	0.7510	0.8212	1.8015	3.3232	236.5594	17.6100	38.3600	49.9000	1.4885		
14/01/2023	93.7075	0.8753	0.8232	1.7841	3.3100	238.4687	18.1100	38.4500	49.9600	1.8579		
15/01/2023	93.4151	0.7743	0.8752	1.7972	3.2114	237.2562	16.6000	38.4100	49.9200	1.1010		
16/01/2023	93.5194	0.9195	0.7785	1.7667	3.3854	238.1542	16.7000	38.5900	50.0400	2.0471		
17/01/2023	93.4184	0.8363	0.7948	1.6783	3.3368	236.9378	17.6100	38.4500	49.9000	0.9659		
18/01/2023	93.5928	0.8320	0.8038	1.7733	3.4342	236.9615	17.9100	38.4800	49.9900	0.8487		
19/01/2023	93.4815	0.8916	0.8804	1.8039	3.4334	237.1897	18.3100	38.5100	49.9700	0.9749		
20/01/2023	93.4588	0.8607	0.8585	1.8009	3.3145	240.3269	19.3200	38.2400	49.7900	0.8938		
21/01/2023	94.0372	0.9192	0.7721	1.7521	3.1609	242.9561	17.8100	38.1200	49.7500	1.0199		
22/01/2023	93.8481	0.9207	0.7815	1.7361	3.2474	242.2696	17.1000	38.1400	49.8100	0.9478		
23/01/2023	93.3616	0.8782	0.7089	1.6856	3.1576	243.4383	17.4100	38.0900	49.7700	0.7676		
24/01/2023	93.0324	0.8865	0.5735	1.6763	3.4137	245.1810	19.1100	38.1800	49.7900	0.9659		
25/01/2023	93.1591	0.9874	0.4754	1.6353	3.3233	244.6005	19.0100	38.2200	49.8100	0.8938		
26/01/2023	94.1709	0.9996	0.5614	1.6354	3.3514	244.9839	19.0100	38.1800	49.8500	0.8938		
27/01/2023	94.5273	0.9999	0.6286	1.6775	3.2781	244.8093	90.1700	38.1600	49.8100	0.1009		
28/01/2023	94.5771	0.9467	0.6557	1.6980	3.1886	244.9287	94.1900	38.1600	49.8100	0.4433		
29/01/2023	94.5678	1.0032	0.5610	1.6810	3.3288	243.6615	92.9800	38.1500	49.7900	0.5063		
30/01/2023	94.6059	1.0549	0.3557	1.5980	3.2297	244.2163	92.9800	38.1900	49.8200	0.7586		
31/01/2023	94.0204	1.1545	0.2644	1.5574	3.2191	243.9267	40.1200	38.2000	49.8200	1.2092		

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Mínimo	93.0324	0.7510	0.2644	1.5574	3.0754	235.0543	15.7000	38.0900	49.7500	0.1009		
Promedio	93.8102	0.9056	0.6908	1.7089	3.2918	240.0096	28.0619	38.2765	49.8706	1.3196		
Máximo	94.6059	1.1545	0.8948	1.8039	3.5284	245.1810	94.1900	38.5900	50.0400	2.4075		
Desv. Est.	0.44433	0.08987	0.16380	0.07250	0.11634	3.37766	25.58961	0.14319	0.07703	0.60703		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.