



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.
01/09/2019	94.1148	0.6677	0.5492	1.2169	4.0902	263.8811	20.5800	38.8800	50.5900	1.0672		
02/09/2019	94.4375	0.6557	0.5038	1.1595	3.7913	263.7852	19.4500	38.8500	50.6100	0.9892		
03/09/2019	94.4843	0.6430	0.5377	1.1808	3.7284	264.2719	19.4300	38.8200	50.5700	1.0388		
04/09/2019	94.3719	0.6382	0.4949	1.1331	3.8323	264.3775	19.4500	38.9100	50.6500	1.1089		
05/09/2019	94.4375	0.6488	0.5010	1.1499	3.7457	264.1019	19.8200	38.8800	50.6200	1.0077		
06/09/2019	94.3929	0.6681	0.5183	1.1864	3.8143	264.2964	19.0600	38.8400	50.5700	0.9548		
07/09/2019	94.5127	0.7311	0.5020	1.2331	3.7623	264.4382	19.0600	38.7400	50.4800	0.9548		
08/09/2019	94.5127	0.7311	0.5020	1.2331	3.7623	264.4382	19.0600	38.7400	50.4800	0.9548		
09/09/2019	94.7349	0.7285	0.5363	1.2648	3.6055	264.8038	17.8100	38.6200	50.4000	1.0541		
10/09/2019	94.4946	0.7337	0.4558	1.1894	3.8228	264.1682	17.9800	38.7700	50.5200	1.2286		
11/09/2019	94.5094	0.7366	0.5301	1.2667	3.7566	265.2081	19.2700	38.7200	50.4600	1.2308		
12/09/2019	94.5053	0.7272	0.5026	1.2298	3.8594	264.3916	18.6100	38.7100	50.4600	1.2801		
13/09/2019	94.4368	0.7353	0.4888	1.2240	3.9419	265.0000	19.9000	38.7300	50.4800	1.2785		
14/09/2019	94.6741	0.7161	0.4874	1.2035	3.7134	264.0560	19.8400	38.6900	50.4600	1.1984		
15/09/2019	94.6224	0.7158	0.4981	1.2139	3.7539	264.3247	19.5400	38.7000	50.4600	1.3668		
16/09/2019	94.5341	0.7516	0.4771	1.2287	3.8483	262.9434	18.7400	38.6800	50.4500	1.5085		
17/09/2019	94.3978	0.7711	0.4641	1.2352	4.0183	264.1180	18.1400	38.7100	50.4500	1.4904		
18/09/2019	94.4450	0.6705	0.5389	1.2094	4.0472	248.8882	17.4400	38.6600	50.4700	1.2513		
19/09/2019	94.7917	0.6044	0.5285	1.1328	3.7248	245.4343	18.8800	38.6200	50.4900	0.8941		
20/09/2019	94.6405	0.6739	0.6439	1.3178	3.7180	247.1450	20.3000	38.5400	50.3500	1.0643		
21/09/2019	94.8409	0.6995	0.6348	1.3342	3.5439	244.8824	21.4300	38.4500	50.2800	0.9710		
22/09/2019	94.7448	0.7175	0.5916	1.3092	3.6551	245.8180	17.6000	38.5000	50.3200	0.7207		
23/09/2019	94.8523	0.6769	0.5738	1.2507	3.5954	244.7214	21.2000	38.5000	50.3600	0.5562		
24/09/2019	94.6302	0.7598	0.4707	1.2304	3.8605	243.3894	18.6300	38.5700	50.3800	1.3450		
25/09/2019	94.6016	0.7571	0.5284	1.2855	3.7675	243.8740	19.4600	38.5700	50.3600	0.0364		
26/09/2019	94.1796	0.7340	0.5679	1.3019	3.9927	246.2989	20.8900	38.7600	50.4600	1.2540		
27/09/2019	94.1508	0.7637	0.5775	1.3412	4.0796	244.9807	20.0700	38.7000	50.4000	1.4624		
28/09/2019	94.4114	0.7944	0.5336	1.3279	3.9055	242.6419	19.5900	38.6000	50.3500	1.2766		
29/09/2019	94.5250	0.7397	0.5328	1.2725	3.8598	241.8815	19.5900	38.5900	50.3800	1.1860		
30/09/2019	94.5263	0.7545	0.5154	1.2699	3.8446	241.4279	19.3000	38.6100	50.3900	1.2515		

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

Mínimo	94.1148	0.6044	0.4558	1.1328	3.5439	241.4279	17.4400	38.4500	50.2800	0.0364		
Promedio	94.5171	0.7115	0.5262	1.2377	3.8147	255.7996	19.3373	38.6887	50.4567	1.0994		
Máximo	94.8523	0.7944	0.6439	1.3412	4.0902	265.2081	21.4300	38.9100	50.6500	1.5085		
Desv. Est.	0.18206	0.04632	0.04535	0.05797	0.13798	9.95260	0.98866	0.12059	0.09323	0.29477		

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 Rocío (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.
01/09/2019	94.4237	0.7054	0.6149	1.2846	4.4969	266.3060	331.1700	38.9800	50.6500	1.3083		
02/09/2019	94.5771	0.6967	0.5440	1.2197	4.0096	266.9973	323.1300	38.9400	50.6600	1.2001		
03/09/2019	94.6308	0.6982	0.5721	1.2220	3.8466	266.0471	21.3300	38.8900	50.6400	1.1911		
04/09/2019	94.5435	0.7110	0.5183	1.2186	3.9630	265.9453	323.1300	39.0100	50.7400	1.3263		
05/09/2019	94.6034	0.6945	0.5414	1.1868	3.8706	264.8129	21.4300	38.9800	50.6700	29.6912		
06/09/2019	94.5120	0.7157	0.5456	1.2243	3.9194	265.1624	20.9200	38.9100	50.6600	1.2452		
07/09/2019	94.6116	0.7439	0.5423	1.2582	3.8530	264.5964	331.1700	38.8400	50.5700	1.2902		
08/09/2019	94.6116	0.7439	0.5423	1.2582	3.8530	264.5964	331.1700	38.8400	50.5700	1.2902		
09/09/2019	94.9903	0.7778	0.5960	1.2989	3.7748	266.0292	323.0300	38.7400	50.4800	1.5786		
10/09/2019	94.6464	0.7901	0.5436	1.2856	3.9703	266.3134	331.1700	38.8500	50.5800	1.4524		
11/09/2019	94.6294	0.7818	0.6046	1.3285	3.9093	266.8423	43.6400	38.8100	50.5800	1.5155		
12/09/2019	94.6848	0.8003	0.5623	1.2943	4.0553	267.9240	46.1500	38.8300	50.5800	1.5515		
13/09/2019	94.7626	0.7929	0.5552	1.2935	4.4734	268.0063	36.5000	38.9400	50.6000	1.5606		
14/09/2019	94.8856	0.7698	0.5452	1.2497	3.9029	264.8131	25.1400	38.8000	50.5500	1.5515		
15/09/2019	94.7070	0.7590	0.5256	1.2810	3.8266	265.1453	21.1200	38.7800	50.5200	1.6507		
16/09/2019	94.6620	0.8070	0.5188	1.2915	3.9958	264.4631	20.4200	38.7400	50.5400	1.9120		
17/09/2019	94.5132	0.8367	0.5459	1.2719	4.1452	266.2996	37.8100	38.7700	50.5000	1.9480		
18/09/2019	94.6994	0.7603	0.6314	1.2835	4.2869	266.8246	42.9300	38.8300	50.5500	1.6957		
19/09/2019	94.9882	0.7313	0.5826	1.3095	4.0448	247.5349	21.0200	38.7000	50.5700	1.2272		
20/09/2019	94.8633	0.8040	0.8060	1.4055	4.0596	249.3298	22.3300	38.7000	50.5600	1.4975		
21/09/2019	95.2396	0.8853	0.6653	1.4451	3.7147	246.7973	24.3400	38.5300	50.3500	1.1821		
22/09/2019	94.8645	0.7847	0.6287	1.3789	3.7523	246.6609	322.8300	38.5400	50.3600	29.6912		
23/09/2019	95.0029	0.7186	0.6186	1.3220	3.7100	245.5182	322.8300	38.5700	50.4000	1.1190		
24/09/2019	94.8373	0.8655	0.6027	1.2888	4.0835	247.1030	22.8300	38.6300	50.4500	1.8399		
25/09/2019	94.8818	0.8910	0.6383	1.4016	3.9910	248.8156	321.7200	38.7400	50.4800	28.9433		
26/09/2019	94.8645	0.8526	0.6218	1.3813	4.5077	249.5689	24.8400	39.1300	50.6900	1.5245		
27/09/2019	94.5017	0.7985	0.6555	1.4343	4.3938	246.4234	21.7300	38.8300	50.5000	1.6687		
28/09/2019	94.5916	0.8550	0.5990	1.3985	4.1296	243.6718	22.0300	38.6700	50.4000	1.4885		
29/09/2019	94.7150	0.7924	0.5798	1.3316	4.1070	242.5882	20.7200	38.6700	50.4200	1.4344		
30/09/2019	94.6868	0.8450	0.5420	1.3430	4.1479	242.2816	331.1700	38.6800	50.4800	1.5696		

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Mínimo	94.4237	0.6945	0.5183	1.1868	3.7100	242.2816	20.4200	38.5300	50.3500	1.1190		
Promedio	94.7244	0.7803	0.5863	1.3064	4.0265	258.1139	136.9917	38.7957	50.5433	4.2715		
Máximo	95.2396	0.8910	0.8060	1.4451	4.5077	268.0063	331.1700	39.1300	50.7400	29.6912		
Desv. Est.	0.18387	0.05773	0.05899	0.06746	0.22358	9.91552	146.92561	0.14236	0.09935	8.53697		

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.
01/09/2019	93.6908	0.6282	0.4830	1.1580	3.7943	262.5204	17.8100	38.7700	50.5000	0.8938		
02/09/2019	94.1444	0.6208	0.4590	1.1041	3.7124	262.4556	17.8100	38.7200	50.4900	0.8938		
03/09/2019	94.3553	0.6176	0.4985	1.1272	3.6046	261.9864	17.8100	38.7500	50.5100	0.8938		
04/09/2019	94.2009	0.5936	0.4151	1.0707	3.6949	263.1147	17.8100	38.7600	50.5000	0.8938		
05/09/2019	94.2466	0.6025	0.4658	1.1125	3.6359	262.9140	17.9100	38.7500	50.5300	0.7406		
06/09/2019	94.2925	0.6128	0.4906	1.1098	3.7135	263.5129	16.9000	38.8000	50.5200	0.7136		
07/09/2019	94.3656	0.6771	0.4880	1.1856	3.6892	263.0309	16.9000	38.6800	50.4400	0.7136		
08/09/2019	94.3656	0.6771	0.4880	1.1856	3.6892	263.0309	16.9000	38.6800	50.4400	0.7136		
09/09/2019	94.5127	0.6935	0.4840	1.2218	3.3693	263.7297	16.9000	38.5200	50.3400	0.7136		
10/09/2019	94.3536	0.6854	0.4224	1.1463	3.6823	262.6498	16.9000	38.6200	50.3900	0.7136		
11/09/2019	94.3846	0.6873	0.4376	1.1249	3.6585	264.3661	17.0000	38.6600	50.4000	0.9659		
12/09/2019	94.3316	0.6852	0.4415	1.1358	3.6838	262.6122	8.3600	38.6200	50.3700	0.9929		
13/09/2019	93.9298	0.6961	0.4395	1.1680	3.6401	263.1626	9.4700	38.6000	50.3700	1.0650		
14/09/2019	94.4246	0.6628	0.4279	1.1177	3.5107	263.1223	17.1000	38.6300	50.4200	0.9749		
15/09/2019	94.4803	0.6895	0.4635	1.1786	3.6800	263.5397	17.7100	38.6400	50.4000	1.0920		
16/09/2019	94.3893	0.6985	0.4285	1.1270	3.7337	261.8086	7.0500	38.6500	50.3900	1.1911		
17/09/2019	94.2534	0.7057	0.4072	1.1973	3.9064	262.2283	7.2600	38.6600	50.4200	1.2182		
18/09/2019	93.9511	0.5972	0.4406	1.1570	3.8271	240.7160	7.9600	38.5800	50.4100	0.7947		
19/09/2019	94.3349	0.5086	0.4881	1.0420	3.5391	243.7830	5.9500	38.5600	50.3800	0.6956		
20/09/2019	94.2980	0.5918	0.4695	1.0799	3.4779	245.4825	17.0000	38.4300	50.2600	0.7136		
21/09/2019	94.6380	0.6340	0.5598	1.2926	3.0677	243.4439	19.0100	38.2500	50.0700	0.7136		
22/09/2019	94.6421	0.6601	0.5658	1.2631	3.5575	244.5667	19.0100	38.4500	50.2400	0.7136		
23/09/2019	94.7245	0.6455	0.5358	1.2228	3.4631	241.6822	19.0100	38.4600	50.2900	0.7136		
24/09/2019	94.4599	0.6039	0.3573	1.1824	3.6123	240.3740	16.0000	38.5200	50.3300	0.8307		
25/09/2019	94.3333	0.6537	0.4293	1.1810	3.3467	240.1268	16.6000	38.5000	50.2400	0.8307		
26/09/2019	93.3916	0.6751	0.4965	1.2382	3.2723	243.8997	18.2100	38.4900	50.2400	1.0289		
27/09/2019	93.8588	0.6902	0.5087	1.2643	3.8428	242.2757	17.1000	38.6100	50.3100	1.2902		
28/09/2019	94.1939	0.6918	0.4811	1.2810	3.7122	241.3874	17.2100	38.5400	50.2700	0.0108		
29/09/2019	94.2766	0.7056	0.4874	1.2298	3.7014	240.6825	18.0100	38.5300	50.3200	1.0109		
30/09/2019	94.2233	0.7034	0.4731	1.1847	3.7071	240.3502	18.0100	38.5200	50.2900	1.0109		

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Mínimo	93.3916	0.5086	0.3573	1.0420	3.0677	240.1268	5.9500	38.2500	50.0700	0.0108		
Promedio	94.2683	0.6532	0.4678	1.1697	3.6175	253.9519	15.5560	38.5983	50.3693	0.8581		
Máximo	94.7245	0.7057	0.5658	1.2926	3.9064	264.3661	19.0100	38.8000	50.5300	1.2902		
Desv. Est.	0.27790	0.04700	0.04455	0.06339	0.17787	10.51735	4.09939	0.12106	0.10491	0.23494		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.