

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.
01/09/2017	93.1298	0.8778	0.2446	1.1224	5.1009	254.6999	4.9200	39.2000	50.7600	4.2700		
02/09/2017	93.0753	0.8386	0.2421	1.0807	5.2741	256.4675	4.9800	39.2300	50.8000	4.1823		
03/09/2017	93.1695	0.7936	0.2400	1.0335	5.1868	255.3901	5.0700	39.2300	50.8400	3.7009		
04/09/2017	93.0104	0.8142	0.2452	1.0594	5.3197	256.7538	4.8800	39.2600	50.8400	3.8938		
05/09/2017	92.6643	0.7599	0.2404	1.0003	5.5906	256.7533	4.9100	39.4400	50.9800	3.3816		
06/09/2017	92.6093	0.7240	0.2280	0.9520	5.6995	255.6931	4.6800	39.5000	51.0400	3.7357		
07/09/2017	92.5971	0.7711	0.2196	0.9907	5.7907	255.3595	4.5300	39.4200	50.9800	4.3663		
08/09/2017	92.6444	0.7852	0.2458	1.0310	5.7644	254.2330	4.4300	39.3600	50.9100	4.7241		
09/09/2017	92.8114	0.7616	0.1976	0.9593	5.4919	253.9341	4.5200	39.4200	50.9900	4.6603		
10/09/2017	93.0685	0.6958	0.1885	0.8844	5.1888	253.4316	4.4400	39.4400	51.0500	4.5075		
11/09/2017	93.3875	0.6376	0.1915	0.8290	4.8487	253.3845	4.4000	39.4200	51.0700	3.9804		
12/09/2017	93.4946	0.6961	0.2036	0.8996	4.7617	255.8252	4.5400	39.3100	50.9700	4.2433		
13/09/2017	93.4554	0.8022	0.2076	1.0098	4.9813	257.0835	4.7600	39.1500	50.8000	4.4923		
14/09/2017	94.0599	0.8324	0.2629	1.0953	4.5303	256.4888	4.9800	38.8400	50.5800	4.6120		
15/09/2017	94.5913	0.7185	0.2593	0.9778	3.8850	255.3820	4.8900	38.8500	50.6600	4.6120		
16/09/2017	94.2252	0.7708	0.2308	1.0016	4.2342	255.2727	5.0100	38.9300	50.6900	4.6120		
17/09/2017	93.6348	0.7378	0.2584	0.9962	4.7362	253.6576	4.9700	39.1300	50.8100	4.5158		
18/09/2017	93.7136	0.7461	0.2664	1.0125	4.6300	253.7909	4.8600	39.1000	50.7800	4.5537		
19/09/2017	93.8108	0.7564	0.2677	1.0242	4.5601	253.1160	4.7600	39.0600	50.7500	5.4790		
20/09/2017	93.6542	0.6779	0.2361	0.9141	4.5947	251.4192	4.6300	39.2600	50.9300	4.7732		
21/09/2017	93.9409	0.6665	0.2519	0.9185	4.3741	252.0257	4.6300	39.1400	50.8700	3.8610		
22/09/2017	94.1019	0.6064	0.2323	0.8387	4.1766	253.0809	4.6300	39.2000	50.9500	3.4303		
23/09/2017	94.4594	0.6360	0.2545	0.8905	3.8831	252.6516	4.5600	39.0200	50.8200	3.4255		
24/09/2017	94.6916	0.6353	0.2472	0.8825	3.6447	253.7149	4.9200	38.9700	50.7900	3.2276		
25/09/2017	94.6424	0.6547	0.2398	0.8945	3.6546	253.9124	4.9600	38.9800	50.7800	3.0185		
26/09/2017	94.5883	0.6390	0.2546	0.8937	3.6848	255.2796	4.7700	39.0100	50.8100	2.9266		
27/09/2017	94.5486	0.6783	0.2631	0.9414	3.7384	253.2581	4.7800	38.9600	50.7600	3.6647		
28/09/2017	94.3456	0.6781	0.2629	0.9410	3.8635	254.1170	4.6900	39.0500	50.8100	3.6623		
29/09/2017	94.2665	0.5991	0.2442	0.8433	3.8548	251.3672	4.3400	39.2000	50.9500	2.9938		
30/09/2017	94.8261	0.6622	0.2985	0.9607	3.4648	253.0106	4.6400	38.8600	50.6900	2.6524		

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

Mínimo	92.5971	0.5991	0.1885	0.8290	3.4648	251.3672	4.3400	38.8400	50.5800	2.6524		
Promedio	93.7073	0.7218	0.2408	0.9626	4.6170	254.3518	4.7360	39.1647	50.8487	4.0053		
Máximo	94.8261	0.8778	0.2985	1.1224	5.7907	257.0835	5.0700	39.5000	51.0700	5.4790		
Desv. Est.	0.71566	0.07420	0.02476	0.07738	0.72126	1.57967	0.20597	0.19394	0.12224	0.67555		

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.
01/09/2017	93.3349	0.9496	0.3477	1.1907	5.3600	256.9408	10.8200	39.3800	50.9500	5.7304		
02/09/2017	93.2740	0.8795	0.2662	1.1127	5.6246	260.8418	10.5300	39.3300	50.8700	4.7843		
03/09/2017	93.2910	0.8716	0.2590	1.1192	5.3538	257.7838	8.8200	39.2900	50.8800	4.2887		
04/09/2017	93.2439	0.8784	0.2639	1.1285	5.6880	261.2642	10.7000	39.4500	50.9400	4.6491		
05/09/2017	92.8645	0.8359	0.2565	1.0921	5.7761	261.2811	10.7000	39.5600	51.0900	4.0184		
06/09/2017	92.8117	0.7917	0.2469	1.0231	5.9887	257.9804	10.4600	39.6200	51.1300	5.0096		
07/09/2017	92.7909	0.8176	0.2521	1.0506	5.9906	257.5032	9.0300	39.5200	51.0600	5.2799		
08/09/2017	92.8067	0.8312	0.2640	1.0688	6.0481	256.2251	4.7000	39.4700	51.0100	5.4150		
09/09/2017	92.9425	0.8690	0.2393	1.1083	5.8238	256.5276	6.1000	39.5000	51.0700	5.5051		
10/09/2017	93.3808	0.7741	0.2172	0.9670	5.4831	256.6974	9.0300	39.5600	51.1300	5.3249		
11/09/2017	93.5184	0.7186	0.2506	0.9307	4.9688	255.7322	4.8600	39.6900	51.3200	4.7843		
12/09/2017	93.7143	0.8260	0.2335	1.0220	4.9541	258.6914	10.4800	39.5400	51.2000	5.9557		
13/09/2017	93.7271	0.8504	0.2290	1.0770	5.4222	258.9117	10.5300	39.2800	50.9300	5.8205		
14/09/2017	94.9810	0.9286	0.3090	1.1881	5.4140	258.0855	10.6300	39.2600	50.9100	6.0007		
15/09/2017	95.0049	0.7817	0.3183	1.0996	4.0546	257.5604	10.2500	38.9200	50.7100	6.0007		
16/09/2017	94.8597	0.8444	0.2442	1.0791	4.7336	257.7495	10.0500	39.0700	50.7800	6.0007		
17/09/2017	93.7968	0.7989	0.2834	1.0460	4.8703	255.0869	10.7900	39.2100	50.8800	5.2348		
18/09/2017	93.8506	0.7876	0.2824	1.0571	4.7575	256.1440	9.2400	39.1600	50.8300	5.7304		
19/09/2017	94.0026	0.7980	0.2789	1.0764	4.6501	255.3147	8.2000	39.1300	50.8300	13.4794		
20/09/2017	93.8009	0.7993	0.2779	1.0675	4.8110	254.1951	10.4600	39.4300	51.0600	6.0908		
21/09/2017	94.1024	0.7122	0.2713	0.9621	4.5270	254.9335	10.2000	39.2800	50.9800	4.6942		
22/09/2017	94.3001	0.6951	0.2841	0.9769	4.4074	255.8151	9.9800	39.4900	51.2200	3.9734		
23/09/2017	94.6415	0.6700	0.2683	0.9348	4.1015	255.5331	10.6300	39.2000	50.9600	3.9734		
24/09/2017	94.8609	0.6799	0.2599	0.9361	3.8130	256.1861	9.7900	39.1800	50.9700	3.8382		
25/09/2017	94.7548	0.7234	0.2597	0.9783	3.7499	257.1364	10.6700	39.0600	50.8700	3.8833		
26/09/2017	94.8459	0.7471	0.2720	1.0144	3.7718	256.9608	9.9400	39.0800	50.8900	3.4778		
27/09/2017	95.0105	0.9215	0.3229	1.2367	4.0100	256.1879	10.3600	39.1900	50.9500	5.7754		
28/09/2017	94.6343	0.7909	0.2962	1.0744	4.0475	257.2960	10.6000	39.1700	50.9100	5.2799		
29/09/2017	94.5297	0.6847	0.2778	0.9624	3.9999	254.2953	4.6000	39.3900	51.1300	3.8382		
30/09/2017	95.1349	0.7973	0.3524	1.1010	3.8890	255.9588	10.0800	39.2900	51.0300	3.6580		

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Mínimo	92.7909	0.6700	0.2172	0.9307	3.7499	254.1951	4.6000	38.9200	50.7100	3.4778		
Promedio	93.9604	0.8018	0.2728	1.0561	4.8697	257.0273	9.4410	39.3233	50.9830	5.2498		
Máximo	95.1349	0.9496	0.3524	1.2367	6.0481	261.2811	10.8200	39.6900	51.3200	13.4794		
Desv. Est.	0.78386	0.07512	0.03211	0.07820	0.75922	1.82821	1.87525	0.19074	0.13792	1.76335		

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.
01/09/2017	92.6864	0.7212	0.2032	0.9882	4.9300	249.7871	2.8600	39.0800	50.6500	3.1624		
02/09/2017	92.7261	0.8003	0.2072	1.0139	5.0503	254.1459	2.3900	39.1400	50.7400	3.2525		
03/09/2017	93.0149	0.7617	0.2172	0.9932	5.0510	254.1828	2.7900	39.1400	50.7300	3.0723		
04/09/2017	92.5249	0.7667	0.2217	0.9903	5.1268	254.2244	2.1000	39.1700	50.7600	3.2075		
05/09/2017	92.4541	0.7119	0.2256	0.9375	5.4030	254.5127	2.2400	39.3000	50.8400	2.8020		
06/09/2017	92.2741	0.6765	0.2126	0.8966	5.5279	254.2493	2.0300	39.3600	50.9200	2.7119		
07/09/2017	92.3772	0.7093	0.1906	0.9229	5.6404	253.0527	2.2200	39.3600	50.9100	3.2525		
08/09/2017	92.3784	0.7169	0.2286	0.9568	5.5747	252.2956	3.0800	39.3200	50.8700	3.9734		
09/09/2017	92.5249	0.7066	0.1828	0.8999	5.3640	251.3304	2.4600	39.2900	50.8300	3.9283		
10/09/2017	92.8313	0.6304	0.1708	0.8087	4.8523	251.9212	2.3100	39.3500	50.9500	3.7931		
11/09/2017	93.1977	0.5200	0.1577	0.6797	4.7445	251.6463	2.2900	39.3000	50.9400	3.0723		
12/09/2017	93.2168	0.5529	0.1724	0.7285	4.5916	252.3549	1.9800	39.2300	50.8400	3.2075		
13/09/2017	93.1140	0.7218	0.1895	0.9223	4.6373	253.9096	2.0100	39.0300	50.7000	3.6129		
14/09/2017	93.1385	0.7445	0.1920	0.9382	3.7114	253.9096	2.1700	38.5600	50.4400	3.5228		
15/09/2017	94.3641	0.6661	0.2242	0.9397	3.6809	253.5646	2.2200	38.5600	50.4300	4.0184		
16/09/2017	93.6802	0.7250	0.2168	0.9541	3.5948	252.9111	2.4100	38.8000	50.6300	3.2976		
17/09/2017	93.4885	0.6996	0.2366	0.9575	4.5757	252.6256	2.3900	39.0500	50.7500	3.7931		
18/09/2017	93.5417	0.7145	0.2512	0.9865	4.5182	251.7527	2.6000	39.0600	50.7400	3.6129		
19/09/2017	93.6893	0.6904	0.2542	0.9561	4.4059	251.6886	2.0800	39.0100	50.6900	4.0184		
20/09/2017	93.3195	0.6219	0.2078	0.8582	4.4671	249.6060	2.2200	39.0200	50.7000	3.7931		
21/09/2017	93.7214	0.6129	0.2309	0.8625	4.2347	250.2321	2.1700	39.0700	50.8000	3.2075		
22/09/2017	93.8647	0.4792	0.1879	0.6671	4.0097	250.3083	2.0300	39.1000	50.8100	2.8020		
23/09/2017	94.1683	0.5879	0.2217	0.8122	3.7120	250.6389	2.1000	38.9500	50.7700	2.8921		
24/09/2017	94.4094	0.5795	0.2138	0.7933	3.5118	252.4917	2.1000	38.8700	50.7100	2.4866		
25/09/2017	94.5091	0.5987	0.2301	0.8369	3.5570	252.3012	2.4100	38.8600	50.6700	2.3515		
26/09/2017	94.4690	0.5816	0.2316	0.8383	3.4760	253.1346	2.4800	38.7900	50.6100	2.2163		
27/09/2017	94.0300	0.5542	0.2371	0.8055	3.5062	251.3026	2.2200	38.4700	50.3000	2.6218		
28/09/2017	94.1204	0.6162	0.2319	0.8692	3.6757	250.9731	2.1200	38.7900	50.5800	2.6218		
29/09/2017	94.0629	0.5060	0.2122	0.7276	3.6827	249.7558	4.0500	38.9800	50.7500	2.2614		
30/09/2017	94.1694	0.5732	0.2231	0.7982	3.2408	251.2345	2.2200	38.6300	50.4700	2.2614		

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Mínimo	92.2741	0.4792	0.1577	0.6671	3.2408	249.6060	1.9800	38.4700	50.3000	2.2163		
Promedio	93.4022	0.6516	0.2128	0.8780	4.4018	252.2015	2.3583	39.0213	50.7177	3.1609		
Máximo	94.5091	0.8003	0.2542	1.0139	5.6404	254.5127	4.0500	39.3600	50.9500	4.0184		
Desv. Est.	0.71482	0.08485	0.02357	0.09634	0.74452	1.49420	0.41162	0.25305	0.15673	0.56474		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.