



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 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.	37.3 MÍN.	48.2 MÍN.	6.0 MÁX.	150.0 MÁX.	0.2 MÁX.
1/1/2017	95.6869	0.8048	0.2423	1.0471	3.0259	254.5866	0.7100	38.4152	50.3914	1.3515	<10.8	0.00
2/1/2017	95.6675	0.8170	0.2218	1.0388	3.0740	253.9186	0.6400	38.4165	50.4058	1.2516		
3/1/2017	95.7758	0.8354	0.2290	1.0644	2.9177	253.9871	0.7100	38.3774	50.3965	0.9159		
4/1/2017	95.9917	0.8018	0.2231	1.0249	2.7231	257.8462	0.4000	38.3560	50.3294	1.2163		
5/1/2017	95.7536	0.7965	0.2278	1.0243	2.9887	255.4864	0.5400	38.4109	50.4092	1.0109		
6/1/2017	95.7684	0.7661	0.2189	0.9850	3.0089	255.8524	23.4400	38.4346	50.4057	1.0114		
7/1/2017	95.6196	0.7892	0.2214	1.0105	3.1346	254.9884	23.0400	38.4579	50.4481	1.0850		
8/1/2017	95.6608	0.7644	0.2175	0.9819	3.1113	254.5220	22.2100	38.4677	50.4511	1.4001		
9/1/2017	95.6398	0.7896	0.2263	1.0158	3.0937	254.2370	22.1100	38.4520	50.1755	0.9984		
10/1/2017	94.5348	0.8624	0.2320	1.0944	4.0892	254.2881	21.9300	38.7266	50.4707	0.8843		
11/1/2017	94.2658	0.8988	0.2139	1.1127	4.3394	253.5841	21.4500	38.7896	50.7928	1.1693		
12/1/2017	95.3701	0.8719	0.2476	1.1195	3.2346	253.5217	20.3300	38.4689	50.4184	0.9614		
13/1/2017	95.5377	0.8439	0.2568	1.1006	3.1051	253.9285	19.9000	38.4279	50.3706	0.8132		
14/1/2017	95.5657	0.8394	0.2676	1.1071	3.0670	255.0464	18.4700	38.4172	50.3328	0.8132		
15/1/2017	95.5539	0.8180	0.2771	1.0951	2.9979	254.6956	19.2800	38.4632	50.4320	0.8132		
16/1/2017	95.5825	0.7980	0.2653	1.0633	3.0933	253.6094	18.8700	38.4376	50.3756	0.8132		
17/1/2017	95.5265	0.8294	0.2438	1.0732	3.1259	253.3392	18.4900	38.4520	50.3756	3.3119		
18/1/2017	95.4496	0.8391	0.2374	1.0765	3.2005	254.2893	18.4700	38.4724	50.4248	1.4755		
19/1/2017	95.4964	0.8208	0.2260	1.0468	3.2224	252.4958	17.7000	38.4665	50.4317	1.0624		
20/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.7000	38.4072	50.3540	1.0624		
21/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	18.9100	38.4072	50.3540	1.0554		
22/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.6000	38.4072	50.3540	1.0242		
23/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.9600	38.4072	50.3540	1.0280		
24/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.9000	38.4072	50.3540	1.0762		
25/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.6500	38.4072	50.3540	1.1573		
26/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.6300	38.4072	50.3540	1.3141		
27/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	17.5700	38.4072	50.3540	1.4289		
28/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	16.9400	38.4072	50.3540	1.3461		
29/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	16.8400	38.4072	50.3540	1.2450		
30/1/2017	95.5300	0.8568	0.2355	1.0923	3.1910	250.4210	16.5900	38.4072	50.3540	1.2957		
31/1/2017	93.6185	1.0941	0.6005	1.6947	4.4768	251.1679	17.0100	38.5621	50.1141	1.3868		

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

Mínimo	93.6185	0.7644	0.2139	0.9819	2.7231	250.4210	0.4000	38.3560	50.1141	0.8132		
Promedio	95.4482	0.8421	0.2479	1.0901	3.2300	252.9039	16.0965	38.4500	50.3821	1.1864		
Máximo	95.9917	1.0941	0.6005	1.6947	4.4768	257.8462	23.4400	38.7896	50.7928	3.3119		
Desv. Est.	0.46671	0.05678	0.06701	0.11815	0.37578	2.15077	7.15932	0.09058	0.10400	0.44073		

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.
1/1/2017	95.7836	0.8514	0.2550	1.1063	3.1104	256.6725	1.3300	38.4424	50.3923	1.4254		
2/1/2017	95.8089	0.8525	0.2348	1.0873	3.2301	255.0718	3.2400	38.4654	50.4246	1.5335		
3/1/2017	96.1509	0.9326	0.2492	1.1818	3.1296	256.6669	3.7400	38.4413	50.4386	1.4614		
4/1/2017	96.1967	0.8654	0.2357	1.1011	2.8048	259.9133	0.4200	38.4030	50.3525	1.3623		
5/1/2017	95.9595	0.8482	0.2400	1.0882	3.1160	257.4042	13.8400	38.4538	50.4367	1.0109		
6/1/2017	95.8722	0.8349	0.2329	1.0678	3.0864	257.2348	11.8800	38.4558	50.3718	1.1821		
7/1/2017	95.7199	0.8257	0.2293	1.0550	3.2935	258.0067	14.4900	38.5202	50.4771	1.2542		
8/1/2017	96.0140	0.8202	0.2342	1.0544	3.2499	256.0298	11.3800	38.5104	50.2404	1.4885		
9/1/2017	96.0083	1.0369	0.2707	1.3076	3.8482	255.5488	14.3900	38.6037	50.2748	1.1641		
10/1/2017	96.0492	1.0707	0.2531	1.3238	4.4564	256.0202	14.3900	38.8536	50.5517	0.9749		
11/1/2017	95.0218	1.0131	0.2332	1.2463	4.7081	255.5663	11.0700	38.9056	50.8683	1.3263		
12/1/2017	95.5865	0.9419	0.2910	1.2328	3.5500	255.0570	10.8700	38.5561	50.4806	1.1461		
13/1/2017	95.6710	0.8921	0.2863	1.1785	3.3120	255.8877	92.0800	38.4780	50.3989	0.9659		
14/1/2017	95.7192	0.8879	0.2880	1.1759	3.2239	256.0640	331.1700	38.4699	50.3140	0.9659		
15/1/2017	95.6980	0.8736	0.3018	1.1755	3.2568	256.6939	20.2200	38.5580	50.4703	0.9659		
16/1/2017	95.8292	0.8712	0.2947	1.1659	3.3476	255.9640	20.0200	38.5088	50.4020	0.9659		
17/1/2017	95.7294	0.8824	0.2713	1.1537	3.3636	254.4991	325.6400	38.5010	50.3885	0.9659		
18/1/2017	95.6001	0.8937	0.2474	1.1410	3.3694	256.1686	21.5300	38.5043	50.3161	2.5337		
19/1/2017	95.7114	0.8902	0.2486	1.1389	3.3631	257.4968	323.1300	38.6715	50.6927	1.7047		
20/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	28.8600	38.4168	50.3589	1.2632		
21/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	28.8600	38.4168	50.3589	1.2632		
22/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.8100	38.4168	50.3589	1.1821		
23/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.9100	38.4168	50.3589	1.2452		
24/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.8100	38.4168	50.3589	1.2542		
25/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.8100	38.4168	50.3589	1.3443		
26/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.7100	38.4168	50.3589	1.7768		
27/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.4100	38.4168	50.3589	1.7137		
28/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	18.2100	38.4168	50.3589	1.5245		
29/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	17.6100	38.4168	50.3589	1.4164		
30/1/2017	95.5569	0.8699	0.2400	1.1099	3.2058	250.9450	17.6100	38.4168	50.3589	1.5425		
31/1/2017	94.1442	1.3465	92.8343	94.1807	5.7622	259.3174	18.3100	38.7498	50.7953	1.9390		

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

Mínimo	94.1442	0.8202	0.2293	1.0544	2.8048	250.9450	0.4200	38.4030	50.2404	0.9659		
Promedio	95.6580	0.9032	3.2378	4.1410	3.4144	254.5703	47.9597	38.5044	50.4205	1.3504		
Máximo	96.1967	1.3465	92.8343	94.1807	5.7622	259.9133	331.1700	38.9056	50.8683	2.5337		
Desv. Est.	0.36400	0.09987	16.62842	16.71079	0.57322	2.94178	93.98407	0.12878	0.13778	0.34167		

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 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.	37.3 MÍN.	48.2 MÍN.	6.0 MÁX.	150.0 MÁX.	0.2 MÁX.
1/1/2017	95.5947	0.7690	0.2291	0.9981	2.8988	253.1796	0.3200	38.3808	50.3830	1.1551		
2/1/2017	95.5054	0.7775	0.2123	0.9898	2.9649	252.7224	0.3200	38.3863	50.4569	1.0289		
3/1/2017	95.5610	0.7452	0.2111	0.9563	2.5679	252.4281	0.3200	38.2719	50.3213	0.7136		
4/1/2017	95.8640	0.7141	0.2102	0.9243	2.5762	254.4806	0.3200	38.3183	50.3187	0.9659		
5/1/2017	95.6159	0.7596	0.2136	0.9732	2.7529	253.9944	11.5800	38.3405	50.3438	1.0109		
6/1/2017	95.6786	0.7319	0.2092	0.9410	2.9297	253.8337	10.1700	38.4042	50.3926	1.0109		
7/1/2017	95.4043	0.7573	0.2134	0.9707	3.0611	252.4324	9.6700	38.4287	50.5098	0.9388		
8/1/2017	95.4926	0.6865	0.2050	0.8916	2.8301	252.5009	9.5700	38.3855	50.4493	1.0019		
9/1/2017	94.6090	0.6813	0.2091	0.8904	2.8590	252.8177	10.9700	38.4031	50.4012	0.6685		
10/1/2017	94.1439	0.7888	0.2110	0.9998	2.4452	252.7168	10.6700	38.1488	49.8808	0.7676		
11/1/2017	93.8852	0.8564	0.2003	1.0567	3.5925	251.8735	10.2700	38.5745	50.5767	0.7496		
12/1/2017	95.0303	0.7925	0.2126	1.0051	3.0972	251.8879	10.1700	38.4092	50.3684	0.8127		
13/1/2017	95.3022	0.8143	0.2413	1.0556	2.9442	252.4536	10.1700	38.3815	50.3446	0.8127		
14/1/2017	95.4132	0.8137	0.2413	1.0550	2.9188	253.7514	10.1700	38.3699	50.3206	0.8127		
15/1/2017	95.3563	0.7678	0.2561	1.0239	2.9124	253.1785	18.1100	38.4032	50.4141	0.8127		
16/1/2017	95.2594	0.7465	0.2449	0.9915	2.8911	252.1346	17.8100	38.4042	50.3964	0.8127		
17/1/2017	95.2565	0.7436	0.2296	0.9732	2.9708	252.3217	17.8100	38.3952	50.3492	0.8127		
18/1/2017	95.2605	0.7777	0.2281	1.0058	3.0855	252.6307	16.0000	38.4394	50.4522	1.2452		
19/1/2017	95.1682	0.7777	0.2059	0.9836	3.1071	250.1329	16.0000	38.4070	50.3686	1.2452		
20/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.0000	38.3990	50.3685	1.2452		
21/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	17.1000	38.3990	50.3685	0.8397		
22/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.1000	38.3990	50.3685	0.8397		
23/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.8000	38.3990	50.3685	0.8487		
24/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.7000	38.3990	50.3685	0.8758		
25/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.0000	38.3990	50.3685	0.9659		
26/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.5000	38.3990	50.3685	1.0289		
27/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	16.1000	38.3990	50.3685	1.1731		
28/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	15.8000	38.3990	50.3685	1.1371		
29/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	15.8000	38.3990	50.3685	1.1100		
30/1/2017	95.5054	0.8344	0.2279	1.0623	3.1750	249.2303	15.2000	38.3990	50.3685	1.1190		
31/1/2017	95.5054	1.0533	0.2039	1.2572	4.3459	249.9831	15.6000	38.8937	50.6487	1.1731		

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Mínimo	93.8852	0.6813	0.2003	0.8904	2.4452	249.2303	0.3200	38.1488	49.8808	0.6685		
Promedio	95.3376	0.7978	0.2224	1.0202	3.0541	251.3867	12.3910	38.4044	50.3790	0.9592		
Máximo	95.8640	1.0533	0.2561	1.2572	4.3459	254.4806	18.1100	38.8937	50.6487	1.2452		
Desv. Est.	0.41615	0.06727	0.01334	0.06920	0.33020	1.85019	5.53056	0.11076	0.11704	0.17074		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE