

## INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

PERMISIONARIO: NATGASMEX, S.A. DE C.V.  
 PUNTO DE MEDICIÓN: Tetla  
 ZONA DE MEDICIÓN: SUR



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)
	83.0 MÍN.	3.0 MÁX.	6.0 MÁX.	6.0 MÁX.	11.0 MÁX.	271.15 MÁX	110.0 MÁX.	36.8 MÍN.	47.3 MÍN.	6.0 MÁX.	150.0 MÁX.	0.2 MÁX.
01/08/2018	96.2925	0.6085	0.2119	0.8205	2.6580	256.4492	32.9600	39.0900	51.4500	0.0010		
02/08/2018	96.2034	0.5957	0.2158	0.8115	2.7482	256.6878	33.3000	39.1200	51.4600	0.0010		
03/08/2018	96.2462	0.5983	0.2066	0.8049	2.6813	255.5264	33.7200	39.1000	51.4500	0.0010		
04/08/2018	96.2108	0.5929	0.2150	0.8079	2.7480	254.6923	33.3600	39.1200	51.4800	0.0039		
05/08/2018	96.1948	0.6125	0.2217	0.8341	2.7112	256.8237	32.5000	39.0900	51.4300	0.0022		
06/08/2018	96.2151	0.8023	0.2276	1.0299	2.5366	213.6593	32.2400	38.9400	51.2100	0.0033		
07/08/2018	96.2321	0.8456	0.2360	1.0817	2.5122	211.8632	33.1800	38.9300	51.1600	0.0039		
08/08/2018	96.1169	0.8172	0.2280	1.0452	2.6494	214.6074	32.3300	38.9800	51.2300	0.0026		
09/08/2018	96.0416	0.8243	0.2247	1.0490	2.6944	210.1472	31.0100	38.9800	51.2200	0.0023		
10/08/2018	96.1294	0.8508	0.2284	1.0792	2.5817	201.8324	31.7400	38.9400	51.1700	0.0019		
11/08/2018	95.9422	0.7298	0.2238	0.9536	2.8737	232.7182	31.3100	39.0900	51.3400	0.0019		
12/08/2018	95.2847	0.8778	0.2244	1.1023	3.3878	199.5873	29.4100	39.1800	51.2900	0.0003		
13/08/2018	95.8549	0.7351	0.2292	0.9644	2.9602	229.6516	31.3700	39.1200	51.3500	0.0013		
14/08/2018	96.2469	0.6209	0.2118	0.8326	2.7100	256.4941	34.2600	39.1000	51.4100	0.1329		
15/08/2018	96.0980	0.6507	0.2172	0.8679	2.7938	253.3689	34.9000	39.1100	51.4100	0.0006		
16/08/2018	95.8743	0.6180	0.2320	0.8500	3.0006	255.4335	34.6700	39.1600	51.4700	0.0020		
17/08/2018	96.0754	0.6418	0.2444	0.8862	2.7828	253.0279	34.5300	39.1100	51.4000	0.0017		
18/08/2018	96.0402	0.6664	0.2496	0.9160	2.7638	257.2698	34.6900	39.0900	51.3700	0.0010		
19/08/2018	96.0435	0.6260	0.2358	0.8618	2.8153	255.9466	34.2800	39.1100	51.4400	0.0021		
20/08/2018	96.0593	0.6243	0.2355	0.8598	2.8298	254.3931	33.9200	39.1300	51.4300	0.0015		
21/08/2018	96.0905	0.6648	0.2548	0.9195	2.7522	257.4081	33.4500	39.0900	51.3600	0.0009		
22/08/2018	95.0123	0.7430	0.2527	0.9957	3.5593	259.4426	32.9000	39.4000	51.4900	0.0006		
23/08/2018	94.6040	0.6974	0.2464	0.9438	3.8430	259.9561	35.8800	39.6100	51.6500	0.0021		
24/08/2018	94.7658	0.7708	0.2730	1.0437	3.6962	260.2105	37.1400	39.4500	51.5100	0.0023		
25/08/2018	94.6250	0.7059	0.2514	0.9573	3.8227	260.4780	36.4300	39.5900	51.6100	0.0021		
26/08/2018	94.8638	0.7424	0.2493	0.9917	3.6694	259.7247	33.8600	39.4700	51.5300	0.0018		
27/08/2018	95.1718	0.7387	0.2540	0.9927	3.4479	258.7197	32.8800	39.3400	51.4600	0.0015		
28/08/2018	94.7475	0.7330	0.2581	0.9911	3.7476	260.1821	35.0200	39.5200	51.5800	0.0004		
29/08/2018	94.6304	0.7534	0.2519	1.0053	3.8049	260.6240	34.5700	39.5400	51.5800	0.0046		
30/08/2018	94.8531	0.8039	0.2555	1.0594	3.5652	261.8793	33.1100	39.4500	51.4600	0.0007		
31/08/2018	94.9897	0.7862	0.2512	1.0374	3.4282	261.8036	35.2300	39.4200	51.4800	0.0005		

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

Mínimo	94.6040	0.5929	0.2066	0.8049	2.5122	199.5873	29.4100	38.9300	51.1600	0.0003		
Promedio	95.6696	0.7122	0.2361	0.9483	3.0573	246.4712	33.5532	39.2055	51.4155	0.0060		
Máximo	96.2925	0.8778	0.2730	1.1023	3.8430	261.8793	37.1400	39.6100	51.6500	0.1329		
Desv. Est.	0.62600	0.08683	0.01689	0.09393	0.45594	20.26012	1.65200	0.20648	0.12474	0.02358		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.

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

PERMISIONARIO: **NATGASMEX, S.A. DE C.V.**  
 PUNTO DE MEDICIÓN: **Tetla**  
 ZONA DE MEDICIÓN: **SUR**



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)
	<b>83.0 MÍN.</b>	<b>3.0 MÁX.</b>	<b>6.0 MÁX.</b>	<b>6.0 MÁX.</b>	<b>11.0 MÁX.</b>	<b>271.15 MÁX</b>	<b>110.0 MÁX.</b>	<b>43.6 MÁX.</b>	<b>53.2 MÁX.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/08/2018	96.3535	0.6724	0.2346	0.8982	2.7280	259.8510	34.8900	39.1900	51.4900	0.0468		
02/08/2018	96.2543	0.6120	0.2405	0.8390	2.8341	260.6641	35.4000	39.3600	51.5800	0.0738		
03/08/2018	96.3148	0.6274	0.2274	0.8373	2.7466	259.6826	35.1900	39.1200	51.4700	0.0558		
04/08/2018	96.2697	0.6217	0.2418	0.8526	2.8431	260.0026	35.7000	39.3800	51.6000	0.0648		
05/08/2018	96.3410	0.6706	0.2488	0.9016	2.9032	260.8239	34.7900	39.1900	51.5400	0.0648		
06/08/2018	96.3928	0.8980	0.2512	1.1263	2.9622	260.8746	33.6900	39.1800	51.4900	0.0648		
07/08/2018	96.2616	0.8907	0.2471	1.1334	2.6124	256.1889	49.3700	38.9700	51.2300	0.0738		
08/08/2018	96.1818	0.8442	0.2402	1.0836	2.7727	257.2484	58.8100	39.0300	51.2500	0.0558		
09/08/2018	96.1750	0.8432	0.2350	1.0729	2.9204	256.4894	36.0000	39.0500	51.2500	0.0648		
10/08/2018	96.3392	0.8786	0.2441	1.1109	2.9124	254.3834	34.5900	39.0500	51.2500	0.0558		
11/08/2018	96.2262	0.8664	0.2391	1.0913	3.2054	258.7845	51.1700	39.2200	51.5400	0.0919		
12/08/2018	95.5051	0.8992	0.2411	1.1184	3.5496	254.1592	30.5700	39.2300	51.3200	0.0378		
13/08/2018	96.2257	0.8952	0.2428	1.1144	3.5256	256.1194	33.2900	39.2200	51.4300	0.0468		
14/08/2018	96.2980	0.6570	0.2309	0.8872	2.7720	260.0479	36.0000	39.1300	51.4700	28.8081		
15/08/2018	96.2640	0.6938	0.2331	0.9192	2.9837	259.2693	37.3100	39.3300	51.5500	0.0378		
16/08/2018	96.0979	0.6677	0.2489	0.9159	3.3174	259.3280	36.5000	39.2600	51.5000	0.0468		
17/08/2018	96.1481	0.7122	0.2652	0.9477	2.8649	259.2708	36.8000	39.1500	51.4800	0.0558		
18/08/2018	96.1395	0.6741	0.2648	0.9231	2.7960	261.2375	36.7000	39.1000	51.3800	0.0558		
19/08/2018	96.1301	0.6963	0.2645	0.9326	2.8736	260.9727	37.3100	39.1600	51.4900	0.0468		
20/08/2018	96.1314	0.6973	0.2637	0.9342	2.9431	259.0999	36.9000	39.1600	51.5000	0.0558		
21/08/2018	96.2376	0.6839	0.2736	0.9372	2.8841	260.7782	35.0900	39.1400	51.4200	0.0558		
22/08/2018	96.0847	0.8238	0.2717	1.0861	4.0346	261.5690	35.0900	39.5800	51.6000	0.0288		
23/08/2018	94.7895	0.7287	0.2578	0.9819	3.9094	263.2497	37.9100	39.6500	51.6800	0.0648		
24/08/2018	94.8541	0.8044	0.2897	1.0895	3.7445	263.2339	39.4200	39.5700	51.6200	0.0558		
25/08/2018	94.7883	0.7505	0.2759	1.0264	3.9076	263.6528	38.8100	39.6500	51.6800	0.0558		
26/08/2018	95.9890	0.8110	0.2705	1.0734	4.0282	263.5686	37.0000	39.6300	51.6700	0.0558		
27/08/2018	95.8329	0.8020	0.2691	1.0671	3.9560	262.4722	35.0900	39.5300	51.5500	0.0468		
28/08/2018	94.9183	0.7788	0.2817	1.0583	3.8755	262.9103	36.3000	39.6200	51.6600	0.0288		
29/08/2018	94.7968	0.8146	0.2740	1.0633	3.9829	263.9442	37.4100	39.6300	51.6400	0.8397		
30/08/2018	95.1491	0.8307	0.2760	1.0957	3.9107	265.1464	35.0900	39.5800	51.5700	0.0378		
31/08/2018	95.1453	0.8402	0.2765	1.1002	3.6198	264.8094	38.0100	39.4800	51.5300	0.0378		

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<b>Mínimo</b>	94.7883	0.6120	0.2274	0.8373	2.6124	254.1592	30.5700	38.9700	51.2300	0.0288		
<b>Promedio</b>	95.8915	0.7641	0.2555	1.0071	3.2555	260.3172	37.6194	39.3077	51.4977	1.0068		
<b>Máximo</b>	96.3928	0.8992	0.2897	1.1334	4.0346	265.1464	58.8100	39.6500	51.6800	28.8081		
<b>Desv. Est.</b>	0.56318	0.09312	0.01747	0.09783	0.49841	2.88809	5.58313	0.21928	0.13096	5.16164		

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

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

**PERMISIONARIO:** NATGASMEX, S.A. DE C.V.  
**PUNTO DE MEDICIÓN:** Tetla  
**ZONA DE MEDICIÓN:** SUR



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)
	<b>83.0 MÍN.</b>	<b>3.0 MÁX.</b>	<b>6.0 MÁX.</b>	<b>6.0 MÁX.</b>	<b>11.0 MÁX.</b>	<b>271.15 MÁX</b>	<b>110.0 MÁX.</b>	<b>36.8 MÍN.</b>	<b>47.3 MÍN.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/08/2018	96.2131	0.5740	0.1913	0.7659	2.5327	253.3859	23.3400	39.0100	51.3400	0.0000		
02/08/2018	95.9727	0.5614	0.1985	0.7781	2.6868	254.1502	25.8500	39.0800	51.4300	0.0000		
03/08/2018	96.1686	0.5848	0.1942	0.7822	2.6337	197.9099	26.5500	39.0600	51.4100	0.0000		
04/08/2018	95.8963	0.5619	0.1990	0.7786	2.7022	198.0875	25.7500	39.1100	51.4400	0.0000		
05/08/2018	96.0549	0.5372	0.1953	0.7485	2.5447	254.1606	26.4500	39.0200	51.3400	0.0000		
06/08/2018	95.9329	0.5767	0.2036	0.8166	2.3350	195.5762	24.7400	38.8300	51.0700	0.0000		
07/08/2018	96.1504	0.7817	0.2199	1.0055	2.4244	195.9622	26.4500	38.8600	51.0900	0.0000		
08/08/2018	95.9604	0.8006	0.2147	1.0180	2.5874	196.7245	26.7500	38.9500	51.1800	0.0000		
09/08/2018	95.8114	0.8037	0.2113	1.0211	2.5740	196.8958	26.1500	38.9400	51.1900	0.0000		
10/08/2018	95.8191	0.8230	0.2131	1.0419	2.3751	196.0458	26.4500	38.8500	51.1000	0.0000		
11/08/2018	95.4875	0.5544	0.2119	0.7721	2.5460	196.9734	25.5500	38.9400	51.2000	0.0000		
12/08/2018	95.1064	0.8601	0.2072	1.0784	3.1859	198.2481	28.3600	39.1100	51.2400	0.0000		
13/08/2018	95.1337	0.6196	0.2080	0.8518	2.6516	197.7939	28.9600	39.0500	51.2500	0.0000		
14/08/2018	96.1433	0.5917	0.1995	0.7995	2.6173	253.8731	25.0400	39.0500	51.3700	0.0000		
15/08/2018	95.8426	0.6229	0.1962	0.8214	2.6600	197.8740	26.6500	39.0700	51.3800	0.0000		
16/08/2018	95.5128	0.5681	0.2111	0.7799	2.8393	252.3981	25.0400	39.1100	51.3900	0.0000		
17/08/2018	95.9460	0.5808	0.2187	0.8023	2.6874	198.4303	26.7500	39.0600	51.3300	0.0000		
18/08/2018	96.0357	0.6555	0.2390	0.9018	2.6911	253.9668	26.7500	39.0700	51.3700	0.0000		
19/08/2018	95.9528	0.5746	0.2185	0.7948	2.7315	198.4404	25.8500	39.0700	51.3500	0.0000		
20/08/2018	95.9560	0.5709	0.2123	0.7847	2.7200	197.6730	25.0400	39.0700	51.3500	0.0000		
21/08/2018	95.9240	0.6356	0.2365	0.8960	2.6066	254.9948	26.1500	39.0300	51.3300	0.0000		
22/08/2018	94.3978	0.6330	0.2271	0.8868	2.7572	256.9875	27.3600	39.0900	51.3800	0.0000		
23/08/2018	94.5370	0.6827	0.2294	0.9304	3.6931	256.7348	28.2600	39.5100	51.5700	0.0000		
24/08/2018	94.7187	0.7080	0.2354	0.9447	3.6304	257.5514	27.5600	39.3900	51.4300	0.0000		
25/08/2018	94.5411	0.6839	0.2313	0.9310	3.6987	257.6115	29.1600	39.5000	51.5300	0.0000		
26/08/2018	94.4077	0.6479	0.2274	0.8975	2.8358	257.0915	26.8500	39.1300	51.4000	0.0000		
27/08/2018	94.4999	0.6747	0.2417	0.9322	2.9414	255.3240	25.1400	39.1600	51.4000	0.0000		
28/08/2018	94.5871	0.6922	0.2295	0.9357	3.5832	257.3556	24.3400	39.4400	51.4800	0.0000		
29/08/2018	94.4392	0.7181	0.2354	0.9749	3.6991	255.0005	27.7600	39.4300	51.4700	0.0000		
30/08/2018	94.4496	0.7706	0.2353	1.0255	3.2831	259.7567	25.8500	39.3200	51.3900	0.0000		
31/08/2018	94.8036	0.7405	0.2276	0.9937	3.2686	258.3316	26.4500	39.3100	51.3700	0.0000		

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<b>Mínimo</b>	94.3978	0.5372	0.1913	0.7485	2.3350	195.5762	23.3400	38.8300	51.0700	0.0000		
<b>Promedio</b>	95.4323	0.6578	0.2168	0.8868	2.8620	229.3971	26.3661	39.1168	51.3410	0.0000		
<b>Máximo</b>	96.2131	0.8601	0.2417	1.0784	3.6991	259.7567	29.1600	39.5100	51.5700	0.0000		
<b>Desv. Est.</b>	0.67909	0.09185	0.01515	0.09958	0.41862	29.62452	1.31524	0.18472	0.12300	0.00000		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.