

**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.
01/11/2016	92.5657	0.4870	2.5224	3.0091	4.0876	265.5004	26.3400	38.7300	50.2500	1.2372		
02/11/2016	92.5422	0.5376	2.3872	2.9249	4.2247	264.2727	25.9200	38.7800	50.3100	1.4287		
03/11/2016	92.6603	0.5114	2.2856	2.7971	4.2318	265.5937	25.8400	38.8500	50.4000	1.0755		
04/11/2016	91.7824	0.3497	3.2199	3.5691	4.3037	266.7878	26.4000	38.5700	49.9600	1.0896		
05/11/2016	93.5783	0.5165	2.3013	2.8179	3.2941	260.8955	27.2000	38.5500	50.2200	1.1312		
06/11/2016	93.5783	0.5165	2.3013	2.8179	3.2941	260.8955	25.8900	38.5500	50.2200	1.0253		
07/11/2016	93.5307	0.5283	2.0723	2.6006	3.5655	262.2063	23.6800	38.7200	50.4200	0.8776		
08/11/2016	94.2916	0.5886	1.5790	2.1676	3.2216	260.4877	24.1700	38.7800	50.6400	1.0282		
09/11/2016	93.2521	0.4781	2.2921	2.7700	3.6821	263.9430	24.3000	38.6700	50.3300	1.0079		
10/11/2016	92.7296	0.4526	2.6117	3.0641	3.9100	265.1721	23.9700	38.6400	50.1800	1.1471		
11/11/2016	93.5811	0.5367	2.5091	3.0458	3.0754	260.6579	24.1600	38.3800	50.0200	1.1828		
12/11/2016	93.8604	0.5966	2.0872	2.6841	3.1614	258.9500	24.5600	38.5500	50.2600	0.8724		
13/11/2016	94.2126	0.7001	1.2441	1.9440	3.5206	259.8798	21.6300	38.9600	50.8200	0.8241		
14/11/2016	94.3514	0.7157	0.9330	1.6488	3.6903	258.9647	18.4200	39.1100	51.0400	0.8148		
15/11/2016	93.6537	0.5496	1.9028	2.4522	3.6167	258.8715	20.7700	38.7600	50.5000	1.1808		
16/11/2016	93.8903	0.5977	1.8203	2.4180	3.4033	258.4408	20.1200	38.7100	50.4800	0.9156		
17/11/2016	94.2568	0.5706	1.7631	2.3335	3.1478	259.2312	23.9800	38.6600	50.4900	1.0228		
18/11/2016	94.8581	0.7039	1.0445	1.7483	3.1279	257.2028	20.6600	38.8900	50.8700	0.5731		
19/11/2016	94.5610	0.7005	1.2947	1.9952	3.1683	257.3385	18.9100	38.8000	50.7000	0.5946		
20/11/2016	94.6118	0.6702	1.0796	1.7497	3.3868	258.2286	18.6500	38.9600	50.9100	0.6783		
21/11/2016	94.4308	0.6421	1.2960	1.9381	3.3649	258.1048	18.4900	38.8800	50.7900	0.7394		
22/11/2016	94.7704	0.6488	1.1457	1.7946	3.1857	257.5259	18.0100	38.8700	50.8500	0.6069		
23/11/2016	93.5371	0.5498	1.9437	2.4934	3.6647	258.4580	20.0300	38.7700	50.4900	0.7527		
24/11/2016	93.1195	0.5287	2.1590	2.6876	3.8890	257.9036	23.9000	38.7600	50.3900	0.6739		
25/11/2016	93.9964	0.6089	1.8152	2.4240	3.3077	257.3340	23.2000	38.6700	50.4500	0.5896		
26/11/2016	95.3149	0.7704	0.4986	1.2690	3.1383	256.8853	19.0700	39.0800	51.1700	0.3342		
27/11/2016	94.9724	0.6547	1.1338	1.7884	2.9997	258.2230	18.6800	38.8100	50.8200	0.7197		
28/11/2016	94.7211	0.6522	1.2539	1.9060	3.1129	257.9948	18.2800	38.8100	50.7600	0.7750		
29/11/2016	94.2473	0.6523	1.4937	2.1460	3.2541	257.3790	19.2000	38.8200	50.6600	0.8116		
30/11/2016	93.5821	0.5978	2.2312	2.8292	3.2243	257.9598	21.0000	38.5700	50.2100	0.9716		

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

<b>Mínimo</b>	91.7824	0.3497	0.4986	1.2690	2.9997	256.8853	18.0100	38.3800	49.9600	0.3342		
<b>Promedio</b>	93.8347	0.5871	1.8074	2.3945	3.4752	260.0430	22.1810	38.7553	50.5203	0.8894		
<b>Máximo</b>	95.3149	0.7704	3.2199	3.5691	4.3037	266.7878	27.2000	39.1100	51.1700	1.4287		
<b>Desv. Est.</b>	0.83243	0.09172	0.62130	0.53493	0.37788	2.94369	3.00208	0.16203	0.30396	0.24316		

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)
	83.0 MÍN.	3.0 MÁX.	6.0 MÁX.	6.0 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.
01/11/2016	93.4141	0.6076	4.5460	4.6450	5.7535	275.8582	42.9300	38.8200	50.4800	1.6777		
02/11/2016	92.7868	0.6078	4.5430	4.6418	5.8064	275.7464	28.6600	38.8900	50.4500	1.9120		
03/11/2016	95.2451	0.7371	4.5358	4.6345	5.7505	275.7464	50.4700	39.3400	51.3900	1.6507		
04/11/2016	94.4198	0.5563	4.5250	4.6240	5.7332	275.1085	28.4600	38.7100	50.5900	1.6687		
05/11/2016	93.5783	0.5165	2.3013	2.8179	3.2941	260.8955	29.3700	38.5500	50.2200	1.5515		
06/11/2016	93.5783	0.5165	2.3013	2.8179	3.2941	260.8955	51.9800	38.5500	50.2200	1.5065		
07/11/2016	95.3014	0.7589	4.5189	4.6180	5.7106	274.8401	26.3500	39.1300	51.2400	1.4795		
08/11/2016	94.8070	0.6632	4.5353	4.6340	5.7369	273.7398	32.5800	38.9700	50.8600	1.3443		
09/11/2016	95.5821	0.7738	4.5681	4.6673	5.7615	275.1829	28.1600	39.1700	51.3500	1.4074		
10/11/2016	95.7197	0.7186	4.5364	4.6353	5.7438	274.8337	26.3500	38.8400	50.8900	1.9390		
11/11/2016	94.1507	0.6081	4.5400	4.6389	5.7502	273.5921	27.2600	38.6100	50.3600	1.6957		
12/11/2016	94.3974	0.6657	4.5459	4.6445	5.7444	273.5732	49.6700	38.7400	50.5100	1.1911		
13/11/2016	94.9885	0.8028	4.5560	4.6552	5.7662	274.3951	25.0400	39.1800	51.2200	1.1190		
14/11/2016	95.4636	0.7841	4.5718	4.6714	5.7637	274.1222	23.1300	39.2100	51.3100	1.3713		
15/11/2016	95.2139	0.6215	4.5720	4.6708	5.7628	272.4985	22.8300	38.9900	50.9300	1.6146		
16/11/2016	95.6874	0.8006	4.5698	4.6693	5.7560	272.7548	22.0300	39.0800	51.2600	1.4344		
17/11/2016	96.1675	0.6674	4.5711	4.6701	5.7562	272.9543	36.9000	38.9100	51.0500	1.5876		
18/11/2016	95.7540	0.8367	4.5727	4.6724	5.7652	273.0400	23.3400	39.1700	51.3000	1.1100		
19/11/2016	94.9158	0.7627	4.5733	4.6729	5.7773	272.8502	20.4200	38.9400	50.9200	0.9028		
20/11/2016	95.7534	0.7969	4.5720	4.6715	5.7744	273.1606	20.2200	39.1400	51.2700	1.5155		
21/11/2016	95.4288	0.7954	4.5704	4.6720	5.7671	273.5259	19.8200	39.1200	51.2600	1.0830		
22/11/2016	95.6569	0.7434	4.5723	4.6717	5.7570	272.7660	19.3200	39.0300	51.1000	0.8127		
23/11/2016	94.7703	0.6017	4.5741	4.6739	5.7564	272.7414	21.6300	39.1700	50.7400	1.0740		
24/11/2016	94.0776	0.6023	4.5724	4.6730	5.7586	272.4252	25.7500	38.9900	50.7200	0.9659		
25/11/2016	94.3584	0.6770	4.5565	4.6602	5.7462	272.0919	26.5500	38.8700	50.7100	0.8127		
26/11/2016	95.6696	0.8163	4.5646	4.6671	5.7629	272.3041	23.1300	39.2000	51.3100	0.5784		
27/11/2016	95.8435	0.7914	4.5607	4.6644	5.7198	272.1444	20.0200	39.0800	51.2400	1.0289		
28/11/2016	95.5167	0.7460	4.5624	4.6653	5.7088	271.9234	19.3200	38.9600	50.9600	1.1100		
29/11/2016	94.7285	0.7215	4.5622	4.6653	5.7092	272.0862	20.4200	39.0100	50.9600	1.2452		
30/11/2016	94.6533	0.6377	4.5533	4.6580	5.7118	271.8936	24.4400	38.7800	50.4700	1.5606		

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

<b>Mínimo</b>	92.7868	0.5165	2.3013	2.8179	3.2941	260.8955	19.3200	38.5500	50.2200	0.5784		
<b>Promedio</b>	94.9209	0.6979	4.4068	4.5348	5.5866	272.6563	27.8850	38.9717	50.9097	1.3317		
<b>Máximo</b>	96.1675	0.8367	4.5741	4.6739	5.8064	275.8582	51.9800	39.3400	51.3900	1.9390		
<b>Desv. Est.</b>	0.84129	0.09332	0.57256	0.46699	0.62357	3.42149	9.35540	0.20494	0.36488	0.33928		

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)
	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.
01/11/2016	89.2681	0.0990	1.9301	2.5262	3.6176	258.2461	24.4400	38.5900	49.5500	0.7767		
02/11/2016	89.2194	0.0987	2.1502	2.7319	3.9937	257.8370	24.1400	38.6000	49.5600	0.7676		
03/11/2016	89.2782	0.0988	0.4149	1.1520	3.2669	258.5106	24.4400	38.6100	49.5600	0.6325		
04/11/2016	89.3032	0.0988	1.6515	2.2079	3.0794	259.8987	24.3400	38.4900	49.5600	0.6325		
05/11/2016	93.5783	0.5165	2.3013	2.8179	3.2941	260.8955	18.3100	38.5500	50.2200	0.6685		
06/11/2016	93.5783	0.5165	2.3013	2.8179	3.2941	260.8955	18.7100	38.5500	50.2200	0.5784		
07/11/2016	89.3302	0.0990	0.4555	1.2025	3.0902	258.8536	21.8300	38.5500	49.5600	0.5604		
08/11/2016	89.2933	0.0987	1.2068	1.8700	2.9887	259.2733	22.0300	38.6100	49.5500	0.7136		
09/11/2016	89.2488	0.0991	0.3056	1.0375	2.8547	257.4450	21.0200	38.3800	49.5300	0.5694		
10/11/2016	89.2845	0.0987	1.0300	1.5865	2.4366	259.1494	21.4300	38.3400	49.5500	0.7406		
11/11/2016	89.2773	0.0989	1.9611	2.5327	2.8194	258.9577	21.4300	38.2100	49.5500	0.6956		
12/11/2016	89.2771	0.0986	1.6469	2.2851	2.9981	256.9205	15.3000	38.3800	49.5500	0.6235		
13/11/2016	89.2505	0.0986	0.5213	1.2953	3.1733	256.0453	18.9100	38.6000	49.5400	0.5424		
14/11/2016	89.2491	0.0992	0.3602	1.1443	3.1116	255.0226	17.4100	38.5800	49.5200	0.5244		
15/11/2016	89.2489	0.0989	1.0929	1.6366	2.8927	256.5991	17.9100	38.5800	49.5200	0.9208		
16/11/2016	89.2557	0.0992	0.3282	1.0944	2.9705	256.0556	17.8100	38.2700	49.5200	0.3622		
17/11/2016	89.2545	0.0989	0.7574	1.3173	2.2423	256.4052	21.2300	38.2400	49.5200	0.6685		
18/11/2016	89.2483	0.0989	0.3175	1.1070	2.8699	254.6243	17.7100	38.4800	49.5200	0.2901		
19/11/2016	89.2328	0.0997	0.9251	1.6691	2.9813	255.3136	17.4100	38.5800	49.5200	0.4523		
20/11/2016	89.2367	0.0990	0.3369	1.1207	2.6402	254.8131	16.9000	38.5400	49.5200	0.3261		
21/11/2016	89.2478	0.0990	0.3773	1.1428	3.1500	254.2497	16.8000	38.5800	49.5200	0.3892		
22/11/2016	89.2529	0.0994	0.6521	1.3154	2.7872	255.0381	16.7000	38.5800	49.5200	0.3802		
23/11/2016	89.2530	0.0998	1.5283	2.0830	2.8230	256.6722	17.7100	38.4300	49.5200	0.3802		
24/11/2016	89.2501	0.1006	1.5966	2.1666	3.2477	255.6920	20.9200	38.3900	49.5200	0.3802		
25/11/2016	89.2758	0.1037	1.3833	2.0603	3.1309	255.3931	20.9200	38.5400	49.5200	0.3892		
26/11/2016	89.2517	0.1025	0.2911	1.0608	2.9712	255.3287	16.3000	38.5900	49.5200	0.2180		
27/11/2016	89.2981	0.1037	0.3406	1.1305	2.6349	256.0923	16.9000	38.4700	49.5200	0.2360		
28/11/2016	89.3087	0.1029	0.8110	1.4928	2.7631	255.3574	17.2100	38.5700	49.5100	0.5424		
29/11/2016	89.3071	0.1031	0.9517	1.6714	3.0637	255.3362	18.2100	38.5700	49.5100	0.5514		
30/11/2016	89.3111	0.1046	1.6973	2.2781	2.5869	255.2023	19.6200	38.1300	49.5200	0.6956		

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

<b>Mínimo</b>	89.2194	0.0986	0.2911	1.0375	2.2423	254.2497	15.3000	38.1300	49.5100	0.2180		
<b>Promedio</b>	89.5557	0.1278	1.0541	1.7185	2.9925	256.8708	19.4667	38.4860	49.5773	0.5403		
<b>Máximo</b>	93.5783	0.5165	2.3013	2.8179	3.9937	260.8955	24.4400	38.6100	50.2200	0.9208		
<b>Desv. Est.</b>	1.09380	0.10569	0.67566	0.59597	0.33812	1.92689	2.68273	0.13408	0.17548	0.17593		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE