


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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)	Azufre total* (mg/m ³)	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.
01/12/2018	95.0420	0.9370	0.2122	1.1490	3.2961	261.6321	34.8000	39.3200	51.3300	0.0000		
02/12/2018	95.5702	0.8599	0.2107	1.0706	2.9333	265.3806	34.2200	39.2200	51.3300	0.0000		
03/12/2018	95.7369	0.8208	0.2126	1.0335	2.7708	258.0371	35.1600	39.2100	51.3500	0.0000		
04/12/2018	95.1281	0.9207	0.2159	1.1365	3.2485	262.7267	35.4900	39.3000	51.3300	0.0000		
05/12/2018	94.6409	0.8477	0.2334	1.0810	3.6248	259.9053	37.1400	39.5300	51.4900	0.0000		
06/12/2018	94.4588	0.9089	0.2355	1.1445	3.8350	260.7346	38.0600	39.5000	51.4600	0.0000		
07/12/2018	94.7117	0.9209	0.2227	1.1436	3.6531	260.8140	30.6700	39.4000	51.3900	0.0000		
08/12/2018	94.6711	0.9495	0.2100	1.1595	3.7066	261.3332	29.1700	39.4000	51.3700	0.0000		
09/12/2018	94.6791	0.9557	0.2129	1.1687	3.6982	261.1270	28.7600	39.4000	51.3600	0.0000		
10/12/2018	94.9317	0.9273	0.2339	1.1613	3.5237	261.2147	28.5600	39.3200	51.3400	0.0000		
11/12/2018	95.0612	0.8115	0.2511	1.0627	3.4792	262.0306	28.5900	39.3400	51.4100	0.0000		
12/12/2018	94.9343	0.8165	0.2442	1.0606	3.6051	262.7697	30.0900	39.3800	51.4400	0.0006		
13/12/2018	94.9500	0.8464	0.2479	1.0942	3.5709	262.4733	28.5800	39.3500	51.3900	0.0000		
14/12/2018	95.2540	0.8207	0.2556	1.0763	3.2142	262.1484	29.1100	39.2800	51.3700	0.0000		
15/12/2018	94.8312	0.8322	0.2404	1.0725	3.5685	261.9508	28.8500	39.4500	51.4600	0.0000		
16/12/2018	95.0452	0.8801	0.2445	1.1245	3.3885	262.1789	29.2500	39.3100	51.3500	0.0000		
17/12/2018	94.8049	0.8950	0.2229	1.1178	3.6796	262.0952	34.7800	39.3600	51.3900	0.1755		
18/12/2018	94.9881	0.8730	0.2324	1.1054	3.5049	261.9752	33.4500	39.3200	51.3600	0.0282		
19/12/2018	94.8223	0.8626	0.2198	1.0825	3.6121	261.3909	30.9000	39.4200	51.4400	0.0268		
20/12/2018	94.2378	0.8264	0.2213	1.0477	4.2028	260.6393	29.1700	39.6200	51.5700	0.1028		
21/12/2018	94.3870	0.8096	0.2264	1.0361	4.0359	260.4295	26.2200	39.6000	51.5700	0.5001		
22/12/2018	94.6013	0.8498	0.2151	1.0650	3.8223	260.7207	24.4000	39.4900	51.4800	0.6636		
23/12/2018	94.6660	0.8638	0.2153	1.0790	3.7509	260.8111	24.8900	39.4700	51.4600	0.5490		
24/12/2018	94.7767	0.8404	0.2174	1.0579	3.7368	260.5629	24.5800	39.4400	51.4700	0.3184		
25/12/2018	94.5947	0.8320	0.2176	1.0497	3.8508	260.9354	24.2200	39.5100	51.5200	0.2069		
26/12/2018	94.6328	0.8362	0.2181	1.0542	3.8364	260.3672	24.5100	39.5000	51.5200	0.1748		
27/12/2018	94.7743	0.8469	0.2106	1.0574	3.6601	260.3340	25.2200	39.4400	51.4600	0.2083		
28/12/2018	94.9007	0.8192	0.2199	1.0392	3.5664	260.1282	26.0900	39.4400	51.4800	0.2087		
29/12/2018	94.8501	0.8626	0.2169	1.0795	3.5131	260.4308	26.5700	39.4400	51.4400	0.1654		
30/12/2018	95.1489	0.8632	0.2061	1.0693	3.3095	262.2938	27.2200	39.3500	51.4000	0.1172		
31/12/2018	94.9689	0.9437	0.2294	1.1730	3.4717	260.8290	31.7200	39.2800	51.3000	0.1225		

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

Mínimo	94.2378	0.8096	0.2061	1.0335	2.7708	258.0371	24.2200	39.2100	51.3000	0.0000		
Promedio	94.8645	0.8671	0.2249	1.0920	3.5700	261.3032	29.6916	39.3997	51.4203	0.1151		
Máximo	95.7369	0.9557	0.2556	1.1730	4.2028	265.3806	38.0600	39.6200	51.5700	0.6636		
Desv. Est.	0.31072	0.04490	0.01354	0.04318	0.28910	1.24702	4.01485	0.10081	0.07246	0.17717		

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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)	Azufre total* (mg/m ³)	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.
01/12/2018	95.4379	0.9775	0.2480	1.2038	3.5400	266.5659	39.6200	39.4700	51.4600	0.0000		
02/12/2018	96.1053	0.9554	0.2380	1.1911	3.2903	270.3812	53.3900	39.3100	51.4800	0.0000		
03/12/2018	98.7738	0.9413	0.3171	1.1737	3.2126	272.4195	37.9100	39.3000	51.4700	0.0000		
04/12/2018	95.5962	1.0744	0.2474	1.3009	3.5282	279.7477	37.9100	39.4600	51.4700	0.0000		
05/12/2018	95.0832	1.0013	0.2539	1.2138	3.7923	262.0440	41.2200	39.6100	51.5700	0.0000		
06/12/2018	94.6840	1.0191	0.2512	1.2534	4.2655	262.5917	44.5400	39.7400	51.6100	0.0000		
07/12/2018	94.8596	0.9639	0.2466	1.1890	3.8406	262.8369	37.9100	39.5100	51.4800	0.0000		
08/12/2018	94.8790	0.9730	0.2256	1.1857	3.8669	263.5722	35.5000	39.4500	51.4100	0.0000		
09/12/2018	94.8047	0.9932	0.2233	1.2072	3.8027	262.6585	31.1700	39.4500	51.4200	0.0000		
10/12/2018	95.1583	0.9859	0.2579	1.1985	3.6397	262.5772	30.4700	39.3600	51.3500	0.0000		
11/12/2018	95.2807	0.9038	0.2618	1.1578	4.1024	263.7130	31.4800	39.5300	51.5500	0.0000		
12/12/2018	95.2846	0.9101	0.2588	1.1633	4.0995	265.7975	260.2100	39.5300	51.5500	0.1459		
13/12/2018	95.2768	0.9040	0.2560	1.1566	4.0967	264.6595	30.8700	39.5200	51.5300	0.0000		
14/12/2018	95.3608	0.8580	0.2663	1.1221	3.4075	263.9120	31.2800	39.3300	51.4300	0.0000		
15/12/2018	95.3530	0.8715	0.2692	1.1396	3.8843	264.4020	35.3000	39.5700	51.5500	0.0000		
16/12/2018	95.3370	0.9463	0.2646	1.2056	3.7007	265.2505	31.7800	39.5000	51.5000	0.0000		
17/12/2018	95.1103	0.9529	0.2417	1.1906	3.9356	264.5269	184.1400	39.4400	51.4500	29.6912		
18/12/2018	95.1380	0.9416	0.2533	1.1838	3.6587	264.2225	38.6100	39.3800	51.4200	0.1099		
19/12/2018	94.9693	0.9530	0.2351	1.1781	4.1615	263.5373	36.8000	39.5800	51.5200	0.1099		
20/12/2018	94.8176	0.9318	0.2507	1.1571	4.6347	263.3655	35.4000	39.7800	51.6900	0.3802		
21/12/2018	94.6733	0.9142	0.2452	1.1574	4.4635	262.6869	30.6700	39.7600	51.7000	0.6415		
22/12/2018	94.8406	0.8981	0.2237	1.1207	3.9835	262.9990	42.5300	39.6500	51.6100	0.8217		
23/12/2018	94.8408	0.9032	0.2231	1.1234	3.8657	263.1440	28.2600	39.5500	51.5400	0.7767		
24/12/2018	94.8313	0.8607	0.2232	1.0820	3.8514	262.3944	30.3700	39.4800	51.5000	0.4703		
25/12/2018	94.7354	0.8935	0.2344	1.1160	3.9736	262.6753	27.3600	39.6500	51.6100	0.3802		
26/12/2018	94.8199	0.8899	0.2387	1.1106	3.9747	262.5266	50.9700	39.6500	51.6100	0.2901		
27/12/2018	94.9476	0.9048	0.2219	1.1254	3.8433	262.5692	39.8200	39.5400	51.5400	0.3712		
28/12/2018	95.1896	0.9248	0.2447	1.1638	3.7805	262.1458	49.9700	39.6900	51.7200	0.3171		
29/12/2018	96.1550	1.0464	0.2550	1.3014	3.7291	262.1216	35.1900	39.5700	51.5400	0.2901		
30/12/2018	96.6698	1.0317	0.2187	1.2472	3.5359	263.7913	57.0000	39.4000	51.5400	0.2270		
31/12/2018	95.9050	1.0334	0.2702	1.2800	3.8835	263.2316	40.1200	39.4400	51.4400	0.2450		

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Mínimo	94.6733	0.8580	0.2187	1.0820	3.2126	262.0440	27.3600	39.3000	51.3500	0.0000		
Promedio	95.3199	0.9471	0.2473	1.1806	3.8498	264.4860	49.6055	39.5226	51.5245	1.1377		
Máximo	98.7738	1.0744	0.3171	1.3014	4.6347	279.7477	260.2100	39.7800	51.7200	29.6912		
Desv. Est.	0.79540	0.05621	0.01999	0.05444	0.30819	3.63347	47.67352	0.12783	0.08812	5.30474		

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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)	Azufre total* (mg/m ³)	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.
01/12/2018	94.7712	0.8775	0.1917	1.0740	3.0123	258.9838	28.2600	39.1600	51.2200	0.0000		
02/12/2018	95.1296	0.6800	0.1808	0.8625	2.5330	261.9237	27.0500	39.1100	51.2200	0.0000		
03/12/2018	95.2047	0.7306	0.0000	0.7789	0.0000	201.9986	28.6600	38.4800	51.0500	0.0000		
04/12/2018	94.8004	0.8662	0.0000	0.9415	2.9590	260.2907	29.2700	39.1600	51.1400	0.0000		
05/12/2018	94.4313	0.7987	0.1950	1.0279	3.2455	258.7970	28.1600	39.2800	51.2700	0.0000		
06/12/2018	93.9887	0.8255	0.2184	1.0595	3.5266	259.9064	32.3800	39.3700	51.3100	0.0000		
07/12/2018	94.5482	0.8703	0.1945	1.0934	3.5468	259.5264	26.8500	39.3500	51.3400	0.0000		
08/12/2018	94.5004	0.9261	0.1918	1.1356	3.4977	260.3489	27.4600	39.3400	51.3300	0.0000		
09/12/2018	94.5536	0.9245	0.1917	1.1266	3.5959	260.1967	26.7500	39.3400	51.3000	0.0000		
10/12/2018	94.7574	0.8584	0.1944	1.0995	3.3512	260.0101	26.9500	39.2600	51.2900	0.0000		
11/12/2018	94.4764	0.7742	0.2289	1.0160	3.2800	261.1470	26.2500	39.2800	51.3100	0.0000		
12/12/2018	94.4775	0.7733	0.2289	1.0175	3.2796	261.3173	26.2500	39.2800	51.3200	0.0000		
13/12/2018	94.4831	0.7812	0.2294	1.0185	3.2859	261.2778	26.7500	39.2900	51.3200	0.0000		
14/12/2018	95.1062	0.7785	0.2414	1.0201	3.1180	261.2421	27.3600	39.2500	51.3200	0.0000		
15/12/2018	94.4967	0.7953	0.2261	1.0415	3.1221	260.8366	26.2500	39.2200	51.3000	0.0000		
16/12/2018	94.6852	0.8292	0.2219	1.0596	3.1493	260.7102	26.9500	39.2100	51.2700	0.0000		
17/12/2018	94.5471	0.8569	0.2079	1.0785	3.4356	260.8261	20.7200	39.2700	51.3200	0.0000		
18/12/2018	94.8264	0.8413	0.2092	1.0646	3.3334	260.8209	27.6600	39.2500	51.3000	0.0000		
19/12/2018	94.2582	0.8180	0.1931	1.0211	3.4819	259.9310	26.7500	39.2700	51.2900	0.0000		
20/12/2018	93.7522	0.7570	0.1924	0.9823	3.7249	258.9533	25.5500	39.3900	51.3700	0.0000		
21/12/2018	93.9520	0.7510	0.2046	0.9779	3.7511	259.1205	21.8300	39.4700	51.4200	0.2991		
22/12/2018	94.3894	0.8039	0.1826	1.0048	3.6303	259.4688	14.4900	39.3900	51.4000	0.4523		
23/12/2018	94.5306	0.8240	0.2010	1.0261	3.6303	259.3748	22.1300	39.3900	51.4000	0.2991		
24/12/2018	94.6328	0.8252	0.2084	1.0345	3.6628	259.3509	21.2300	39.4200	51.4500	0.1820		
25/12/2018	94.4023	0.7876	0.1877	1.0042	3.7536	259.5858	21.4300	39.4500	51.4700	0.0558		
26/12/2018	94.4090	0.7839	0.1829	1.0047	3.6458	259.0001	15.7000	39.4000	51.4200	0.0558		
27/12/2018	94.5686	0.8057	0.1956	1.0013	3.5353	258.7694	21.9300	39.3600	51.3800	0.0828		
28/12/2018	94.6307	0.7098	0.1818	0.8925	3.3727	258.6279	16.3000	39.1800	51.2500	0.1099		
29/12/2018	94.5720	0.6552	0.1679	0.8314	2.5433	259.1095	20.7200	39.1500	51.1400	0.0558		
30/12/2018	94.7480	0.5558	0.1528	0.7086	2.1540	260.8147	14.5900	39.1700	51.2700	0.0288		
31/12/2018	94.6054	0.8555	0.1989	1.0717	2.7370	259.1806	25.9500	39.0400	51.1500	0.0108		

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Mínimo	93.7522	0.5558	0.0000	0.7086	0.0000	201.9986	14.4900	38.4800	51.0500	0.0000		
Promedio	94.5560	0.7974	0.1872	1.0025	3.1902	258.1112	24.4703	39.2574	51.3013	0.0527		
Máximo	95.2047	0.9261	0.2414	1.1356	3.7536	261.9237	32.3800	39.4700	51.4700	0.4523		
Desv. Est.	0.30959	0.07657	0.05354	0.09730	0.70738	10.45415	4.54360	0.17808	0.09489	0.10953		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.

