



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.
01/11/2018	95.0645	0.9238	0.2550	1.1790	3.3982	259.2083	28.7600	39.2500	51.2800	0.2843		
02/11/2018	94.9774	0.9294	0.2650	1.1945	3.4534	258.6352	28.1900	39.2700	51.2700	0.3471		
03/11/2018	95.1487	0.9367	0.2577	1.1944	3.3034	258.6123	27.8100	39.2200	51.2500	0.2698		
04/11/2018	95.0693	0.9132	0.2540	1.1671	3.3390	258.4260	27.4000	39.2500	51.3000	0.1200		
05/11/2018	95.1848	0.9158	0.2497	1.1656	3.2109	258.1157	27.8900	39.2400	51.2800	0.4161		
06/11/2018	94.9910	0.9363	0.2507	1.1870	3.2995	258.8347	28.2100	39.3100	51.3000	0.7496		
07/11/2018	95.0618	0.9514	0.2481	1.1997	3.3472	261.0562	28.4300	39.2500	51.2700	1.1551		
08/11/2018	95.2937	0.9407	0.2503	1.1912	3.1376	260.5597	28.4500	39.1700	51.2300	0.9346		
09/11/2018	95.2394	0.9503	0.2528	1.2032	3.2126	260.8873	28.7000	39.1800	51.2300	1.0775		
10/11/2018	94.9281	0.9264	0.2526	1.1791	3.4274	260.8738	28.0700	39.3200	51.3300	0.5305		
11/11/2018	95.2840	0.9336	0.2492	1.1828	3.1095	257.9082	27.9900	39.2000	51.2400	0.0987		
12/11/2018	94.7443	0.9231	0.2573	1.1805	3.4666	259.0858	27.9300	39.4200	51.3800	0.1060		
13/11/2018	95.0181	0.9230	0.2540	1.1770	3.3772	260.0248	28.0400	39.2700	51.3000	1.0831		
14/11/2018	95.2380	0.9565	0.2440	1.2007	3.2248	260.8480	29.1500	39.1800	51.2300	1.0964		
15/11/2018	95.3332	0.9466	0.2624	1.2091	3.1005	261.6577	31.4900	39.1200	51.2000	0.2036		
16/11/2018	95.5000	0.9705	0.2512	1.2216	2.9946	262.2176	31.7400	39.0500	51.1500	0.0305		
17/11/2018	95.4963	0.9851	0.2464	1.2315	3.0280	262.8062	33.0900	39.0600	51.1200	0.0343		
18/11/2018	95.4567	0.9877	0.2499	1.2377	3.0359	262.5574	32.8700	39.0500	51.1300	0.0135		
19/11/2018	95.4988	1.0014	0.2437	1.2450	2.9976	262.1672	31.3000	39.0300	51.1200	0.0001		
20/11/2018	95.6222	0.9944	0.2442	1.2387	2.9296	262.3697	31.6400	39.0100	51.1100	0.0001		
21/11/2018	95.5422	0.9769	0.2549	1.2317	2.9771	262.5598	32.7500	39.0200	51.1100	0.0000		
22/11/2018	95.5327	0.9872	0.2394	1.2266	2.9566	263.0316	33.9900	39.0500	51.1300	0.0001		
23/11/2018	95.5505	0.9742	0.2314	1.2056	2.9279	262.8607	34.2800	39.0800	51.1400	0.0000		
24/11/2018	95.6139	0.9566	0.2316	1.1882	2.8703	262.2116	35.0500	39.0800	51.1600	0.0017		
25/11/2018	95.5461	0.9637	0.2372	1.2008	2.9210	262.2119	34.1800	39.0800	51.1500	0.0001		
26/11/2018	95.5137	0.9605	0.2420	1.2027	2.9684	262.0276	33.1900	39.0700	51.1600	0.0000		
27/11/2018	95.5026	0.9620	0.2401	1.2020	2.9622	262.2765	33.6700	39.0900	51.1700	0.0000		
28/11/2018	95.5596	0.9298	0.2362	1.1662	2.9392	262.8528	33.8800	39.1200	51.2000	0.0000		
29/11/2018	95.8017	0.8366	0.2072	1.0437	2.7262	264.2014	34.7100	39.1600	51.3100	0.0000		
30/11/2018	95.0875	0.9338	0.2176	1.1514	3.2777	263.7979	35.2100	39.3100	51.3300	0.0000		

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

Mínimo	94.7443	0.8366	0.2072	1.0437	2.7262	257.9082	27.4000	39.0100	51.1100	0.0000		
Promedio	95.3134	0.9476	0.2459	1.1935	3.1307	261.1628	30.9353	39.1637	51.2193	0.2851		
Máximo	95.8017	1.0014	0.2650	1.2450	3.4666	264.2014	35.2100	39.4200	51.3800	1.1551		
Desv. Est.	0.26019	0.03250	0.01231	0.03700	0.20248	1.81717	2.76161	0.10820	0.07834	0.40152		

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 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)
	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.
01/11/2018	95.3023	0.9908	0.2746	1.2431	3.6662	261.9037	30.6700	39.4400	51.4600	0.4252		
02/11/2018	95.2045	0.9650	0.2742	1.2342	3.6112	261.2040	30.4700	39.3600	51.3700	0.4523		
03/11/2018	95.2409	0.9776	0.2668	1.2416	3.4970	260.7570	29.4700	39.2900	51.3200	0.4252		
04/11/2018	95.3422	0.9760	0.2659	1.2397	3.4912	261.3596	29.7700	39.2900	51.3300	0.3261		
05/11/2018	95.4333	1.0474	0.2696	1.2897	3.7386	261.7826	29.8700	39.4000	51.3700	0.6956		
06/11/2018	95.4227	1.0494	0.2718	1.3036	4.4185	262.8972	30.8700	39.9800	51.7100	0.9929		
07/11/2018	95.3530	1.0251	0.2718	1.2678	4.1114	264.0218	30.7700	39.9200	51.6700	1.5786		
08/11/2018	95.4124	0.9835	0.2813	1.2301	3.3982	264.8322	31.0700	39.2400	51.2700	1.2993		
09/11/2018	95.3767	1.0056	0.2757	1.2481	3.3661	264.4080	31.0700	39.2300	51.2600	1.7318		
10/11/2018	95.3041	0.9726	0.2703	1.2167	4.1226	264.3697	30.3700	39.8600	51.6400	0.9388		
11/11/2018	95.4186	1.0350	0.2667	1.2884	3.4868	262.3826	30.3700	39.4000	51.3700	0.2270		
12/11/2018	95.4178	1.0306	0.2703	1.2821	4.0302	262.4082	29.7700	39.8200	51.6200	0.2180		
13/11/2018	95.2884	0.9751	0.2685	1.2341	3.6796	262.3469	29.8700	39.5600	51.4700	2.1552		
14/11/2018	95.4331	1.0072	0.2750	1.2503	3.5216	263.7513	32.2800	39.3100	51.3300	2.9211		
15/11/2018	95.4415	1.0069	0.2739	1.2601	3.2088	264.5728	35.5000	39.1700	51.2300	0.4072		
16/11/2018	95.6836	1.0231	0.2760	1.2673	3.1762	266.3070	35.9000	39.2000	51.2700	0.1459		
17/11/2018	95.6607	1.0212	0.2670	1.2734	3.1024	266.5947	36.6000	39.1000	51.1700	0.1009		
18/11/2018	95.6656	1.0182	0.2665	1.2710	3.1021	267.5460	39.5200	39.1000	51.1600	0.0919		
19/11/2018	95.6150	1.0226	0.2576	1.2644	3.0517	267.7329	38.4100	39.0600	51.1500	0.0198		
20/11/2018	95.6844	1.0210	0.2609	1.2616	3.0485	268.0312	37.5100	39.0400	51.1300	0.0198		
21/11/2018	95.6680	1.0117	0.2667	1.2652	3.0553	269.1191	36.9000	39.0500	51.1500	0.0108		
22/11/2018	95.6379	1.0195	0.2591	1.2721	3.0926	268.8326	36.7000	39.1000	51.1600	0.0198		
23/11/2018	95.6272	1.0047	0.2576	1.2576	3.0807	267.9109	38.4100	39.0900	51.1700	0.0108		
24/11/2018	95.7196	0.9785	0.2383	1.2097	2.9405	267.0732	39.3200	39.1300	51.2100	0.0468		
25/11/2018	95.6540	1.0051	0.2734	1.2583	3.1232	267.6581	39.5200	39.1900	51.2700	0.0198		
26/11/2018	95.6622	1.0064	0.2744	1.2597	3.1518	265.2070	36.9000	39.1900	51.2600	0.0000		
27/11/2018	95.6455	1.0063	0.2732	1.2579	3.1650	266.6179	38.0100	39.1700	51.2400	0.0018		
28/11/2018	95.7133	0.9989	0.2732	1.2427	3.1646	265.6053	47.4600	39.1700	51.2600	0.0000		
29/11/2018	96.1366	0.9758	0.2723	1.2307	3.1461	266.8539	36.6000	39.3000	51.4800	0.0000		
30/11/2018	95.4411	0.9824	0.2464	1.2067	3.5248	268.8287	38.3100	39.4600	51.4600	0.0000		

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Mínimo	95.2045	0.9650	0.2383	1.2067	2.9405	260.7570	29.4700	39.0400	51.1300	0.0000		
Promedio	95.5202	1.0048	0.2680	1.2543	3.4091	265.0972	34.6087	39.3207	51.3320	0.5094		
Máximo	96.1366	1.0494	0.2813	1.3036	4.4185	269.1191	47.4600	39.9800	51.7100	2.9211		
Desv. Est.	0.19799	0.02291	0.00902	0.02321	0.37938	2.58530	4.43087	0.26450	0.16533	0.74056		

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.
01/11/2018	94.7156	0.8244	0.2208	1.0726	3.1654	256.1130	27.3600	39.1400	51.1900	0.1099		
02/11/2018	94.8095	0.8766	0.2486	1.1380	3.2383	257.0099	26.6500	39.2100	51.2400	0.2450		
03/11/2018	94.9471	0.8965	0.2457	1.1472	3.2046	256.7277	26.4500	39.1600	51.1900	0.0738		
04/11/2018	94.9546	0.8800	0.2275	1.1258	3.1070	256.3495	25.9500	39.1600	51.1900	0.0000		
05/11/2018	94.6393	0.8800	0.2258	1.1227	3.0074	255.4956	25.7500	39.0800	51.1000	0.2450		
06/11/2018	93.4120	0.8906	0.2303	1.1455	2.9629	256.2621	26.3500	39.0800	51.0900	0.5604		
07/11/2018	93.6595	0.8855	0.2326	1.1350	3.1201	258.6612	26.0500	39.1600	51.1600	0.6685		
08/11/2018	95.0269	0.9123	0.2211	1.1631	3.0303	257.9286	26.1500	39.1200	51.1800	0.5874		
09/11/2018	95.0650	0.9178	0.2261	1.1642	3.0545	258.5802	26.8500	39.1400	51.1800	0.5874		
10/11/2018	93.7455	0.8900	0.2351	1.1386	3.1432	258.7512	25.6500	39.1600	51.2000	0.0558		
11/11/2018	94.7832	0.9039	0.2329	1.1529	3.0099	255.0420	25.8500	39.0800	51.1100	0.0000		
12/11/2018	93.8595	0.8969	0.2401	1.1568	3.0111	257.0641	26.2500	39.0900	51.1200	0.0000		
13/11/2018	94.4355	0.8886	0.2387	1.1383	3.1553	257.6471	26.3500	39.1400	51.1900	0.0198		
14/11/2018	94.9560	0.8890	0.2219	1.1501	3.0332	259.5630	26.5500	39.0900	51.1300	0.3532		
15/11/2018	95.2411	0.9170	0.2368	1.1767	3.0178	259.5416	26.4500	39.0700	51.1200	0.0288		
16/11/2018	95.2653	0.8832	0.2297	1.1484	2.8296	259.8308	24.0400	39.0000	51.0800	0.0000		
17/11/2018	95.3775	0.9361	0.2250	1.1875	2.9033	260.3951	26.6500	39.0000	51.0800	0.0000		
18/11/2018	95.3813	0.9344	0.2343	1.1870	2.9079	259.5845	27.9600	39.0000	51.0900	0.0000		
19/11/2018	95.4556	0.9510	0.2301	1.2014	2.8952	259.2307	26.2500	39.0000	51.0800	0.0000		
20/11/2018	95.4551	0.9711	0.2302	1.2117	2.8358	259.2526	26.1500	39.0000	51.0800	0.0000		
21/11/2018	95.4548	0.9364	0.2405	1.1839	2.9089	258.8957	26.2500	39.0000	51.0800	0.0000		
22/11/2018	95.3841	0.9665	0.2206	1.1927	2.8406	259.3741	26.3500	39.0100	51.0900	0.0000		
23/11/2018	95.4084	0.9649	0.2165	1.1840	2.8550	259.7787	26.4500	39.0400	51.1100	0.0000		
24/11/2018	95.5220	0.9288	0.2204	1.1504	2.7971	258.9490	31.0700	39.0600	51.1500	0.0000		
25/11/2018	95.3398	0.8867	0.2168	1.1511	2.8433	258.8055	26.8500	39.0100	51.1000	0.0000		
26/11/2018	95.2977	0.8910	0.2165	1.1537	2.8615	259.7646	25.3500	39.0100	51.1000	0.0000		
27/11/2018	95.2870	0.9016	0.2171	1.1609	2.8446	259.3582	26.8500	39.0100	51.1000	0.0000		
28/11/2018	95.2862	0.8928	0.2131	1.1105	2.8038	260.9553	27.3600	39.0400	51.1100	0.0000		
29/11/2018	95.3152	0.6767	0.1803	0.8672	2.4803	261.5991	31.7800	39.0500	51.1300	0.0000		
30/11/2018	94.7979	0.8327	0.1924	1.0414	3.0112	260.8429	27.6600	39.1700	51.2200	0.0000		

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Mínimo	93.4120	0.6767	0.1803	0.8672	2.4803	255.0420	24.0400	39.0000	51.0800	0.0000		
Promedio	94.9426	0.8968	0.2256	1.1420	2.9626	258.5785	26.7227	39.0760	51.1330	0.1178		
Máximo	95.5220	0.9711	0.2486	1.2117	3.2383	261.5991	31.7800	39.2100	51.2400	0.6685		
Desv. Est.	0.58287	0.05386	0.01408	0.06270	0.15745	1.66987	1.47088	0.06574	0.04836	0.21182		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.