

**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)
	<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>
01/08/2019	93.2377	0.7115	0.2427	0.9542	4.9723	258.0088	33.6500	40.1800	51.9600	0.7136		
02/08/2019	93.8415	0.7401	0.2797	1.0198	4.5928	257.3478	33.0300	39.8100	51.7300	1.0899		
03/08/2019	93.8519	0.7304	0.2637	0.9941	4.5966	257.4422	33.7900	39.8400	51.7400	0.7807		
04/08/2019	93.8026	0.7412	0.2573	0.9985	4.6386	257.5016	33.8600	39.8400	51.7600	0.8119		
05/08/2019	93.9056	0.7689	0.2604	1.0293	4.5292	257.6057	34.2000	39.8000	51.7100	0.6727		
06/08/2019	93.9016	0.7449	0.2688	1.0137	4.5748	257.3661	33.8700	39.7900	51.7200	0.4314		
07/08/2019	93.9754	0.7602	0.2598	1.0200	4.4921	257.4480	34.6500	39.7800	51.6800	0.3741		
08/08/2019	93.8828	0.7515	0.2685	1.0200	4.5073	257.6027	35.6100	39.8100	51.7300	0.3328		
09/08/2019	93.8790	0.7336	0.2777	1.0113	4.5256	257.5908	36.2600	39.8000	51.7400	0.3631		
10/08/2019	93.8428	0.7334	0.2773	1.0107	4.5705	257.4947	36.0200	39.8400	51.7400	0.2627		
11/08/2019	93.9066	0.7589	0.2667	1.0256	4.4971	257.4808	35.4400	39.7900	51.7100	0.1291		
12/08/2019	93.9343	0.7457	0.2711	1.0168	4.4745	257.3853	35.0400	39.7900	51.7200	0.1111		
13/08/2019	93.8802	0.7365	0.2648	1.0014	4.5610	257.2866	35.3600	39.8300	51.7300	0.1880		
14/08/2019	93.6231	0.7525	0.2581	1.0106	4.5205	258.0019	34.9000	40.0300	51.8300	0.6114		
15/08/2019	93.6317	0.7250	0.2420	0.9669	4.4622	258.3195	34.8800	40.1000	51.9100	1.1789		
16/08/2019	93.3670	0.6851	0.2286	0.9137	4.6669	258.9402	35.3800	40.2700	52.0300	1.6580		
17/08/2019	94.0021	0.6874	0.4187	1.1060	4.2863	258.1548	36.6600	39.7400	51.6400	1.2071		
18/08/2019	93.9333	0.6782	0.4056	1.0839	4.3459	258.0533	39.3600	39.7700	51.6700	0.7897		
19/08/2019	93.7612	0.6611	0.3993	1.0603	4.4725	257.7444	39.0600	39.8900	51.7500	0.6416		
20/08/2019	93.8241	0.6079	0.4283	1.0362	4.3782	257.9942	39.3000	39.9200	51.8100	0.8696		
21/08/2019	93.7327	0.5674	0.4363	1.0037	4.4618	257.9182	36.7100	39.9700	51.8600	0.8598		
22/08/2019	93.4337	0.5855	0.4895	1.0750	4.4298	258.7314	35.4900	40.1500	51.9000	0.5618		
23/08/2019	93.5826	0.5908	0.4867	1.0775	4.3430	258.5506	35.6000	40.0400	51.8600	0.1376		
24/08/2019	93.6870	0.6266	0.4924	1.1190	4.2867	258.5775	36.5400	39.9500	51.7600	0.0738		
25/08/2019	93.7172	0.6213	0.4971	1.1185	4.2649	258.6303	36.2200	39.9500	51.7800	0.0435		
26/08/2019	93.5696	0.5933	0.4904	1.0837	4.3370	258.7086	35.9200	40.0300	51.8600	0.0386		
27/08/2019	93.6290	0.6092	0.4868	1.0959	4.3371	258.5585	35.7800	40.0100	51.8300	0.0349		
28/08/2019	93.7546	0.6555	0.4584	1.1139	4.3155	258.2998	35.4700	39.9000	51.7500	0.0303		
29/08/2019	93.6196	0.6114	0.4439	1.0553	4.2999	258.5371	35.9700	40.0700	51.8700	0.0084		
30/08/2019	93.4471	0.6075	0.4486	1.0560	4.4540	258.7595	36.7000	40.1700	51.9200	0.0096		
31/08/2019	93.1953	0.5802	0.4131	0.9933	4.4934	258.9424	34.1100	40.3800	52.0800	0.0090		

\*/ 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>	93.1953	0.5674	0.2286	0.9137	4.2649	257.2866	33.0300	39.7400	51.6400	0.0084		
<b>Promedio</b>	93.7211	0.6807	0.3543	1.0350	4.4738	258.0317	35.6397	39.9432	51.7994	0.4847		
<b>Máximo</b>	94.0021	0.7689	0.4971	1.1190	4.9723	258.9424	39.3600	40.3800	52.0800	1.6580		
<b>Desv. Est.</b>	0.21221	0.06729	0.10061	0.04991	0.14507	0.54357	1.54636	0.16463	0.10504	0.43530		

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>
01/08/2019	93.6486	0.7836	0.2655	1.0340	5.0778	260.2043	40.9200	40.2600	52.0400	1.3173		
02/08/2019	93.9991	0.7914	0.3040	1.0905	4.7944	259.4954	39.1100	39.9600	51.8200	1.5606		
03/08/2019	94.0067	0.7481	0.2816	1.0266	4.6577	259.3557	58.8100	39.8700	51.7800	0.9929		
04/08/2019	93.8518	0.7630	0.2698	1.0314	4.6822	259.0586	37.9100	39.8700	51.7700	1.0109		
05/08/2019	93.9774	0.8041	0.2721	1.0720	4.6621	259.4083	38.0100	39.8500	51.7600	1.0470		
06/08/2019	93.9179	0.7641	0.2801	1.0320	4.6256	258.7256	39.2100	39.8100	51.7400	0.6956		
07/08/2019	93.9932	0.7877	0.2684	1.0456	4.5612	259.4617	59.6200	39.8200	51.7500	0.5694		
08/08/2019	94.0347	0.7876	0.3037	1.0556	4.6128	258.9189	38.8100	39.8700	51.7600	0.5244		
09/08/2019	94.0952	0.7642	0.2987	1.0373	4.6596	260.2392	41.3300	39.8500	51.7700	0.4793		
10/08/2019	94.0467	0.7615	0.2914	1.0372	4.7273	259.1539	41.2200	39.8900	51.7600	0.4793		
11/08/2019	94.0585	0.8013	0.2924	1.0684	4.6267	259.5654	40.6200	39.8600	51.7500	0.2901		
12/08/2019	94.0567	0.8007	0.2909	1.0680	4.6235	259.1002	52.1800	39.8500	51.7600	0.2721		
13/08/2019	94.0330	0.7634	0.2814	1.0370	4.7239	258.6732	41.1200	39.8800	51.8100	0.2901		
14/08/2019	93.7879	0.7937	0.2719	1.0513	4.7351	259.4494	41.2200	40.1600	51.9400	1.0019		
15/08/2019	93.8360	0.7773	0.2626	1.0337	4.6320	259.9808	40.9200	40.2000	51.9900	1.4074		
16/08/2019	93.7041	0.7513	0.2436	0.9881	4.8975	259.9020	39.9200	40.4300	52.1500	2.0201		
17/08/2019	94.2550	0.7555	0.5024	1.2151	4.7361	259.1856	41.1200	40.0200	51.8900	1.4885		
18/08/2019	94.4245	0.7271	0.5019	1.1844	4.5187	260.1143	43.9400	39.9000	51.8000	1.1010		
19/08/2019	93.9220	0.7046	0.4447	1.1014	4.5858	259.2534	44.7400	39.9600	51.8200	0.8848		
20/08/2019	93.9551	0.6655	0.5189	1.0886	4.5977	259.0460	46.6500	39.9600	51.8400	1.0470		
21/08/2019	93.9476	0.6715	0.5200	1.0649	4.7411	259.5287	45.8500	40.1700	51.9700	1.0920		
22/08/2019	93.5132	0.6246	0.5313	1.1355	4.5788	259.6964	41.2200	40.2700	52.0100	1.0019		
23/08/2019	93.6617	0.6342	0.5109	1.1327	4.4199	259.5624	42.3300	40.1300	51.9200	0.3802		
24/08/2019	93.8983	0.6484	0.5353	1.1664	4.4137	259.8343	41.5300	40.0200	51.8200	0.2270		
25/08/2019	93.8915	0.6438	0.5315	1.1521	4.3591	259.6262	42.8300	40.0800	51.8900	0.1730		
26/08/2019	93.6793	0.6222	0.5086	1.1253	4.4069	259.6027	41.8300	40.0800	51.8900	0.1639		
27/08/2019	93.8782	0.6401	0.5299	1.1393	4.4273	260.2029	42.6300	40.1300	51.9100	0.1279		
28/08/2019	93.9360	0.6752	0.4915	1.1399	4.4128	259.5716	42.5300	40.0600	51.8500	0.1189		
29/08/2019	93.8013	0.6547	0.4780	1.0750	4.3711	259.3895	42.6300	40.1700	51.9500	0.0378		
30/08/2019	93.5519	0.6643	0.4849	1.0970	4.5411	259.7979	43.3400	40.3400	52.0700	0.0468		
31/08/2019	93.4714	0.6607	0.4393	1.0863	4.5638	260.4225	41.8300	40.5400	52.1900	0.0468		

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<b>Mínimo</b>	93.4714	0.6222	0.2436	0.9881	4.3591	258.6732	37.9100	39.8100	51.7400	0.0378		
<b>Promedio</b>	93.8979	0.7237	0.3873	1.0843	4.6120	259.5331	43.0945	40.0406	51.8765	0.7063		
<b>Máximo</b>	94.4245	0.8041	0.5353	1.2151	5.0778	260.4225	59.6200	40.5400	52.1900	2.0201		
<b>Desv. Est.</b>	0.20658	0.06351	0.11524	0.05359	0.15835	0.44385	5.10733	0.19178	0.12227	0.53078		

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.
01/08/2019	93.1253	0.6734	0.2275	0.9043	4.6843	256.3704	25.2500	39.9400	51.8000	0.2991		
02/08/2019	93.5801	0.7167	0.2558	0.9775	4.4571	255.6491	28.6600	39.6800	51.6000	0.7046		
03/08/2019	93.7950	0.7152	0.2445	0.9614	4.4618	256.1952	27.0500	39.7600	51.6900	0.6235		
04/08/2019	93.7583	0.7197	0.2408	0.9681	4.5863	256.0457	28.0600	39.8000	51.7000	0.5063		
05/08/2019	93.7367	0.7272	0.2446	0.9735	4.4379	255.7943	26.0500	39.7600	51.6500	0.4162		
06/08/2019	93.8456	0.7241	0.2547	0.9838	4.5271	256.3251	26.2500	39.7800	51.6900	0.2901		
07/08/2019	93.9138	0.7204	0.2481	0.9747	4.4487	256.2594	26.1500	39.7400	51.6600	0.2540		
08/08/2019	93.7878	0.7238	0.2521	0.9914	4.3624	256.6530	28.3600	39.7400	51.6500	0.1730		
09/08/2019	93.7782	0.6809	0.2626	0.9618	4.3084	256.4020	26.7500	39.7600	51.6800	0.2721		
10/08/2019	93.6538	0.6872	0.2655	0.9650	4.3722	256.2773	27.9600	39.8000	51.7100	0.0828		
11/08/2019	93.7808	0.7012	0.2481	0.9874	4.3480	256.4255	26.9500	39.7500	51.6600	0.0198		
12/08/2019	93.7808	0.6878	0.2486	0.9700	4.3536	256.4482	24.5400	39.7500	51.6600	0.0288		
13/08/2019	93.6870	0.6853	0.2493	0.9359	4.4154	255.8568	31.5800	39.7300	51.6600	0.0468		
14/08/2019	93.4531	0.7074	0.2421	0.9689	4.3539	256.8238	31.4800	39.8700	51.7500	0.2180		
15/08/2019	93.4338	0.6725	0.2217	0.9095	4.2868	256.6461	30.3700	39.9700	51.8000	0.9388		
16/08/2019	93.1367	0.6422	0.2155	0.8623	4.5594	257.6405	24.5400	40.0100	51.8800	1.2542		
17/08/2019	93.6072	0.5963	0.2273	0.9255	4.0193	256.7142	28.4600	39.5900	51.5100	0.8487		
18/08/2019	93.7587	0.6209	0.3452	1.0006	3.8680	257.2040	37.3100	39.5400	51.5000	0.4883		
19/08/2019	93.5988	0.6132	0.3275	1.0248	4.3168	256.4107	31.5800	39.7700	51.6700	0.4703		
20/08/2019	93.6525	0.5553	0.3141	0.9677	4.1749	257.1006	27.0500	39.8600	51.7400	0.6685		
21/08/2019	93.4382	0.5128	0.2723	0.9005	4.2775	257.0389	34.0900	39.8400	51.7600	0.6235		
22/08/2019	93.2773	0.5238	0.4554	1.0081	4.3494	257.9485	30.0700	40.1000	51.8700	0.2180		
23/08/2019	93.4871	0.5694	0.4690	1.0442	4.2847	257.5190	30.8700	40.0100	51.8100	0.0018		
24/08/2019	93.5603	0.5890	0.4644	1.0905	4.1507	257.6391	29.2700	39.8700	51.7100	0.0000		
25/08/2019	93.5807	0.5711	0.4722	1.0458	4.1542	257.1148	30.0700	39.8700	51.7100	0.0000		
26/08/2019	93.5387	0.5712	0.4717	1.0447	4.2498	257.6607	29.3700	39.9900	51.8000	0.0000		
27/08/2019	93.4544	0.5794	0.4595	1.0651	4.1621	256.9368	27.7600	39.8800	51.7300	0.0000		
28/08/2019	93.5282	0.6080	0.4262	1.0623	4.2589	256.7037	30.4700	39.7800	51.6600	0.0000		
29/08/2019	93.4992	0.5799	0.4065	1.0171	4.1578	257.5827	26.6500	39.9900	51.8300	0.0000		
30/08/2019	93.2312	0.5448	0.4099	0.9817	4.3535	257.8645	26.8500	40.0800	51.8700	0.0000		
31/08/2019	92.9902	0.5468	0.3776	0.9633	4.3702	257.9148	26.8500	40.1200	51.8800	0.0000		

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Mínimo	92.9902	0.5128	0.2155	0.8623	3.8680	255.6491	24.5400	39.5400	51.5000	0.0000		
Promedio	93.5629	0.6376	0.3168	0.9819	4.3262	256.8118	28.6039	39.8429	51.7190	0.3047		
Máximo	93.9138	0.7272	0.4722	1.0905	4.6843	257.9485	37.3100	40.1200	51.8800	1.2542		
Desv. Est.	0.22741	0.07013	0.09328	0.05200	0.16627	0.66263	2.79158	0.14126	0.09659	0.33432		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.