

**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>
01/01/2020	93.9435	0.7373	0.7462	1.4835	4.3363	248.4407	14.5100	39.3100	51.2200	0.2142	<10.8	0.00
02/01/2020	93.9303	0.7399	0.7409	1.4808	4.3609	248.2261	14.4700	39.3100	51.2300	0.2165		
03/01/2020	93.8519	0.7841	0.6887	1.4728	4.4511	247.9577	15.3600	39.3300	51.2300	0.3961		
04/01/2020	94.2640	0.8101	0.6564	1.4664	4.0639	249.5753	14.4200	39.2200	51.1500	0.6820		
05/01/2020	94.0751	0.8430	0.6250	1.4681	4.2384	250.4117	16.0300	39.2900	51.1900	0.7820		
06/01/2020	93.9799	0.8639	0.5962	1.4601	4.3119	252.6111	19.3500	39.3300	51.2200	1.4884		
07/01/2020	94.1131	0.7081	0.7299	1.4379	4.2111	251.3058	17.6200	39.3100	51.2400	1.0253		
08/01/2020	94.0685	0.7821	0.6536	1.4356	4.3062	250.2075	15.3900	39.3000	51.2400	0.9533		
09/01/2020	94.2777	0.7760	0.6434	1.4195	4.0879	249.1197	14.4800	39.2600	51.2100	0.8124		
10/01/2020	94.2440	0.7728	0.6423	1.4151	4.1074	249.0162	13.3900	39.2700	51.2300	1.4799		
11/01/2020	94.1546	0.7452	0.6852	1.4305	4.1793	249.3326	14.9100	39.2900	51.2300	1.7932		
12/01/2020	93.6398	0.7065	0.7542	1.4607	4.4493	249.5205	16.8500	39.5100	51.3500	1.0878		
13/01/2020	94.2117	0.7231	0.7574	1.4805	4.0614	250.0907	17.2400	39.2400	51.1900	0.7289		
14/01/2020	94.6225	0.7032	0.7525	1.4558	3.6916	250.5073	20.5600	39.1400	51.1400	1.0677		
15/01/2020	94.4846	0.7050	0.7771	1.4821	3.7866	250.5432	17.9100	39.1400	51.1200	1.6028		
16/01/2020	94.4572	0.7491	0.6995	1.4485	3.8603	250.9404	17.3200	39.1700	51.1500	1.7305		
17/01/2020	94.5213	0.7734	0.6803	1.4538	3.7664	250.7964	18.0400	39.1400	51.1300	1.8433		
18/01/2020	94.4471	0.7267	0.7444	1.4711	3.8747	251.0066	17.9700	39.1700	51.1400	1.7649		
19/01/2020	94.3832	0.7157	0.7540	1.4697	3.9446	251.0142	17.9700	39.1700	51.1400	1.6084		
20/01/2020	94.4151	0.7431	0.7237	1.4667	3.8894	250.5790	17.9500	39.1700	51.1400	1.3905		
21/01/2020	94.4999	0.7684	0.6664	1.4347	3.8350	250.5400	16.6900	39.1700	51.1500	1.5149		
22/01/2020	94.4563	0.7509	0.6473	1.3982	3.8814	250.9779	16.1600	39.2100	51.2100	1.9690		
23/01/2020	94.6668	0.7606	0.6369	1.3974	3.6793	249.9712	21.2400	39.1600	51.1700	2.3659		
24/01/2020	94.6325	0.7559	0.6621	1.4180	3.7120	249.9714	19.4700	39.1600	51.1500	1.9361		
25/01/2020	94.5469	0.7320	0.7124	1.4444	3.7684	250.1118	18.4200	39.1400	51.1300	1.4722		
26/01/2020	94.5524	0.7496	0.7158	1.4653	3.7733	249.7585	17.4100	39.1400	51.1300	1.3891		
27/01/2020	94.5120	0.7967	0.6722	1.4688	3.8196	249.1766	14.6500	39.1300	51.1100	1.2692		
28/01/2020	94.4956	0.7784	0.6892	1.4676	3.8439	249.1176	13.2500	39.1400	51.1200	1.1835		
29/01/2020	94.4811	0.7846	0.6547	1.4394	3.8894	249.2798	13.9900	39.1700	51.1400	1.2312		
30/01/2020	94.3780	0.8109	0.6551	1.4660	3.9356	249.2937	14.3300	39.1700	51.1200	1.0699		
31/01/2020	94.3466	0.7411	0.7177	1.4588	3.9297	249.0074	13.0200	39.2100	51.1800	1.2244		

\*/ 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>	93.6398	0.7032	0.5962	1.3974	3.6793	247.9577	13.0200	39.1300	51.1100	0.2142		
<b>Promedio</b>	94.3114	0.7593	0.6929	1.4522	4.0015	249.9487	16.4635	39.2216	51.1774	1.2675		
<b>Máximo</b>	94.6668	0.8639	0.7771	1.4835	4.4511	252.6111	21.2400	39.5100	51.3500	2.3659		
<b>Desv. Est.</b>	0.25715	0.03913	0.04699	0.02404	0.23498	1.00395	2.17903	0.08653	0.05354	0.51636		

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>
01/01/2020	94.0959	0.8279	0.7897	1.5235	4.5402	250.1087	16.1000	39.3700	51.2800	0.3532		
02/01/2020	94.0931	0.8330	0.7885	1.5296	4.5268	250.4688	15.5000	39.3800	51.2900	0.3081		
03/01/2020	94.1095	0.8667	0.7231	1.5522	4.8669	248.9096	16.2000	39.4700	51.3200	2.3264		
04/01/2020	94.4530	0.8831	0.7142	1.5312	4.2664	251.3076	33.9900	39.2900	51.2100	0.9118		
05/01/2020	94.2454	0.9524	0.6814	1.5140	4.4313	253.3285	18.3100	39.3800	51.2300	1.3804		
06/01/2020	94.6738	0.9776	0.7794	1.5609	4.9024	253.8770	23.4400	39.5300	51.3800	2.1192		
07/01/2020	94.5088	0.7825	0.7986	1.4927	4.4083	253.3803	23.6400	39.3600	51.2900	1.7408		
08/01/2020	94.2664	0.8625	0.7534	1.5048	4.6409	251.9836	16.9000	39.4000	51.2900	1.3804		
09/01/2020	94.4675	0.8492	0.6808	1.4985	4.2688	250.9423	18.0100	39.3100	51.2600	1.2812		
10/01/2020	94.4828	0.8780	0.6740	1.4689	4.2262	250.6297	20.5200	39.4300	51.3300	2.4796		
11/01/2020	95.2143	0.8338	0.8596	1.4968	4.4874	250.8026	18.2100	39.4000	51.3200	3.8042		
12/01/2020	94.0697	0.7739	0.7821	1.5025	4.8272	250.4153	19.6200	39.7000	51.4700	1.7318		
13/01/2020	94.6845	0.7717	0.7944	1.5275	4.6315	251.0823	21.4300	39.4700	51.3300	1.1281		
14/01/2020	94.7957	0.7883	0.7957	1.5154	3.8329	251.3717	22.6300	39.2400	51.2100	1.7858		
15/01/2020	94.6863	0.7439	0.8105	1.5302	3.9418	251.7222	20.8200	39.2100	51.1800	2.2544		
16/01/2020	94.6067	0.8101	0.7641	1.5000	4.3887	251.8994	19.0100	39.3400	51.2600	2.1282		
17/01/2020	94.7189	0.8236	0.7618	1.4917	3.9718	251.8447	19.7200	39.2000	51.1800	2.1913		
18/01/2020	94.5659	0.8066	0.7944	1.5235	3.9542	251.7440	19.6200	39.1900	51.1800	2.3355		
19/01/2020	94.4015	0.7642	0.7869	1.5133	3.9763	252.4293	19.8200	39.1900	51.1700	1.9750		
20/01/2020	94.5641	0.7810	0.7519	1.5099	3.9809	252.2359	19.8200	39.2200	51.1700	1.8669		
21/01/2020	94.6203	0.8500	0.7782	1.5178	3.9780	251.4448	20.0200	39.2400	51.2300	2.1282		
22/01/2020	94.7472	0.8222	0.7082	1.4725	4.4327	251.6814	18.6100	39.3700	51.2900	2.3355		
23/01/2020	94.8311	0.8567	0.6977	1.4414	4.0873	251.7431	23.3400	39.2700	51.2300	3.0653		
24/01/2020	94.9558	0.8470	0.7530	1.5056	4.0118	250.8293	22.5300	39.2200	51.2200	2.5067		
25/01/2020	94.6729	0.7927	0.7622	1.4793	3.9188	251.4588	19.8200	39.2100	51.1900	1.8669		
26/01/2020	94.7068	0.8534	0.7443	1.5826	3.9556	250.8990	20.0200	39.2100	51.1900	1.7047		
27/01/2020	94.7543	0.9304	0.7401	1.5704	4.0043	250.4801	27.7600	39.2000	51.1700	1.5335		
28/01/2020	94.6583	0.8260	0.7497	1.5107	3.9359	250.3225	19.0100	39.1700	51.1600	1.4524		
29/01/2020	94.6002	0.8829	0.6859	1.5126	3.9942	250.9719	15.3000	39.2000	51.1900	1.7047		
30/01/2020	94.5931	0.8597	0.7021	1.5191	4.0138	251.3844	26.7500	39.2300	51.1700	1.3804		
31/01/2020	94.5263	0.7942	0.7610	1.5035	4.0619	250.2871	15.0900	39.2600	51.2000	1.4705		

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<b>Mínimo</b>	94.0697	0.7439	0.6740	1.4414	3.8329	248.9096	15.0900	39.1700	51.1600	0.3081		
<b>Promedio</b>	94.5603	0.8363	0.7538	1.5130	4.2408	251.3544	20.3729	39.3116	51.2448	1.8268		
<b>Máximo</b>	95.2143	0.9776	0.8596	1.5826	4.9024	253.8770	33.9900	39.7000	51.4700	3.8042		
<b>Desv. Est.</b>	0.25984	0.05403	0.04459	0.02890	0.31698	1.02737	3.95735	0.12305	0.07339	0.70256		

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>
01/01/2020	93.7990	0.6797	0.6882	1.4344	4.1695	247.5246	13.3900	39.2400	51.1700	0.1009		
02/01/2020	93.7968	0.6829	0.6877	1.4256	4.1723	246.6234	13.5900	39.2400	51.1600	0.1279		
03/01/2020	93.4481	0.7080	0.6662	1.4234	4.1942	246.7095	14.1900	39.2500	51.1200	0.1820		
04/01/2020	94.0720	0.7461	0.5856	1.4165	3.8800	247.5473	1.4300	39.1700	51.1200	0.4072		
05/01/2020	93.8311	0.7978	0.5486	1.4358	4.0750	249.2281	13.5900	39.2300	51.1400	0.5063		
06/01/2020	93.4327	0.7621	0.5161	1.3711	3.6455	251.6585	17.3100	39.1500	51.0700	0.7857		
07/01/2020	93.9021	0.6583	0.6709	1.4000	3.7627	250.2901	2.0300	39.1500	51.1100	0.5694		
08/01/2020	93.6953	0.6530	0.6035	1.3922	4.0827	249.0601	13.4900	39.2500	51.1500	0.6055		
09/01/2020	94.0873	0.7302	0.6117	1.3759	3.9432	247.4068	3.9400	39.1900	51.1300	0.4793		
10/01/2020	93.9920	0.7127	0.5903	1.3620	3.9425	247.7500	10.2700	39.1800	51.1200	0.5153		
11/01/2020	93.8017	0.6008	0.5098	1.1584	3.3703	248.2685	13.4900	39.1800	51.1700	0.9569		
12/01/2020	93.2355	0.6605	0.7197	1.4249	4.1649	248.2442	14.7900	39.3300	51.2400	0.5244		
13/01/2020	93.6245	0.6779	0.7044	1.4333	3.5887	248.9959	15.8000	39.0800	51.0600	0.5063		
14/01/2020	94.3889	0.6537	0.7030	1.4012	3.5300	249.6683	17.9100	39.0700	51.0700	0.6956		
15/01/2020	94.3349	0.6584	0.7403	1.4445	3.6103	249.8067	15.2000	39.0800	51.0900	0.0000		
16/01/2020	93.8922	0.6786	0.6606	1.4130	3.7064	250.1554	16.2000	39.1100	51.0900	1.4164		
17/01/2020	94.3421	0.7231	0.5972	1.3861	3.6178	250.0013	15.3000	39.0900	51.0900	1.3353		
18/01/2020	94.3407	0.6682	0.6476	1.4424	3.7232	250.1123	16.1000	39.1400	51.1100	1.3083		
19/01/2020	94.3126	0.7038	0.7380	1.4499	3.8920	250.1676	16.7000	39.1500	51.1200	1.2632		
20/01/2020	94.3021	0.7140	0.6985	1.4348	3.7895	249.5399	16.7000	39.1300	51.1100	1.0019		
21/01/2020	94.3381	0.6953	0.6006	1.3610	3.7307	249.7298	14.2900	39.1300	51.1000	1.0199		
22/01/2020	93.8954	0.6894	0.5749	1.3520	3.6187	250.1516	14.2900	39.1200	51.1300	1.6507		
23/01/2020	94.3494	0.7062	0.4887	1.3427	3.5146	248.8986	17.0000	39.0900	51.1100	1.7678		
24/01/2020	94.3086	0.6807	0.5243	1.3207	3.3834	249.1730	17.9100	39.0600	51.0800	1.3713		
25/01/2020	94.4214	0.6912	0.6695	1.4174	3.6288	249.1856	17.3100	39.1000	51.0900	0.9749		
26/01/2020	94.3648	0.7043	0.6861	1.4204	3.6097	248.8823	16.2000	39.0600	51.0100	1.0470		
27/01/2020	94.2666	0.7395	0.5552	1.4006	3.5532	247.8494	1.1300	39.0600	51.0400	0.9388		
28/01/2020	94.3657	0.7236	0.5632	1.3890	3.7129	247.8919	1.9300	39.1100	51.0900	0.8938		
29/01/2020	94.3612	0.7363	0.6229	1.4031	3.7416	248.4872	12.0800	39.1000	51.0500	0.9208		
30/01/2020	94.2655	0.7702	0.6132	1.4217	3.7959	248.3082	10.6700	39.1200	51.0800	0.8397		
31/01/2020	94.2548	0.7108	0.6728	1.4415	3.8006	247.7187	11.5800	39.1400	51.1200	0.8397		

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<b>Mínimo</b>	93.2355	0.6008	0.4887	1.1584	3.3703	246.6234	1.1300	39.0600	51.0100	0.0000		
<b>Promedio</b>	94.0588	0.7006	0.6277	1.3966	3.7726	248.8721	12.7681	39.1452	51.1077	0.8243		
<b>Máximo</b>	94.4214	0.7978	0.7403	1.4499	4.1942	251.6585	17.9100	39.3300	51.2400	1.7678		
<b>Desv. Est.</b>	0.33319	0.04018	0.07069	0.05504	0.23045	1.18150	5.16363	0.06752	0.04410	0.44759		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.