

**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.
01/10/2016	92.7091	0.6740	2.2696	2.9437	4.0733	258.0085	27.0300	38.7000	50.2200	1.4769	<10.8	0.00
02/10/2016	92.3198	0.5835	2.8264	3.4096	3.9784	258.5020	27.9400	38.5100	49.9200	1.5627		
03/10/2016	91.4141	0.4019	4.2172	4.6195	3.6861	258.1348	29.2300	37.9500	49.0900	1.7721		
04/10/2016	92.5957	0.5572	2.8869	3.4440	3.6859	258.1439	29.2600	38.4000	49.8500	1.6173		
05/10/2016	92.6796	0.5343	3.0436	3.5777	3.4643	258.5000	26.1500	38.2900	49.7200	1.5487		
06/10/2016	92.6948	0.5568	2.7371	3.2939	3.7122	258.6968	26.6500	38.4700	49.9600	1.5173		
07/10/2016	93.3820	0.5777	2.1188	2.6965	3.6321	259.1337	25.8000	38.6800	50.3400	1.4331		
08/10/2016	93.6463	0.6052	1.8053	2.4103	3.6426	259.0207	25.1200	38.7900	50.5300	1.2048		
09/10/2016	94.1158	0.6025	1.5778	2.1802	3.4088	259.5000	23.3300	38.8100	50.6400	1.2226		
10/10/2016	94.2278	0.6101	1.6089	2.2191	3.2754	259.8999	23.5400	38.7500	50.5900	1.3412		
11/10/2016	93.7839	0.5912	1.9518	2.5430	3.3751	260.2612	24.0600	38.6800	50.4000	1.6495		
12/10/2016	94.0891	0.6486	1.7746	2.4232	3.2150	259.3441	23.8100	38.6600	50.4300	1.2688		
13/10/2016	93.8293	0.5859	1.8876	2.4733	3.3733	260.0446	24.0000	38.7200	50.4600	1.4931		
14/10/2016	94.1019	0.6590	1.5994	2.2587	3.3399	260.1230	23.8000	38.7900	50.5800	1.3625		
15/10/2016	94.0203	0.6161	1.5745	2.1905	3.5252	259.7829	22.9900	38.8400	50.6600	1.4648		
16/10/2016	93.8191	0.6359	1.3792	2.0151	3.8770	259.9261	23.3200	39.0100	50.8300	1.3480		
17/10/2016	93.4375	0.5261	2.3099	2.8362	3.4486	259.4710	24.8800	38.5600	50.2200	1.6079		
18/10/2016	92.7387	0.5198	2.7128	3.2323	3.7553	258.8458	25.9200	38.5000	50.0000	1.3913		
19/10/2016	92.1108	0.5030	3.0256	3.5286	3.9780	260.0024	27.9300	38.5300	49.9000	1.5771		
20/10/2016	91.8750	0.5279	2.6703	3.1982	4.3559	260.9624	31.3000	38.9100	50.2600	1.5171		
21/10/2016	91.3097	0.4389	2.8883	3.3276	4.7276	266.0739	34.6700	39.0300	50.2900	1.7850		
22/10/2016	91.3409	0.3925	3.0604	3.4525	4.8045	265.3712	37.6100	38.8200	50.1200	1.5247		
23/10/2016	90.8613	0.3558	3.2636	3.6199	5.1253	265.0718	30.2700	38.8400	50.0600	1.6254		
24/10/2016	90.8646	0.3535	3.2742	3.6280	5.1166	265.3059	28.2300	38.8400	50.0700	1.5484		
25/10/2016	92.0132	0.4748	2.6033	3.0780	4.4679	260.4518	26.3700	38.8900	50.3100	1.3874		
26/10/2016	92.4223	0.4690	2.5566	3.0258	4.1062	260.2747	26.7600	38.8000	50.2700	1.1886		
27/10/2016	91.7112	0.3716	3.0279	3.3994	4.5574	265.8681	25.4300	38.7300	50.1000	1.0787		
28/10/2016	92.8002	0.5251	2.4201	2.9451	3.9007	259.8624	24.7300	38.7100	50.2600	1.4488		
29/10/2016	90.9412	0.3089	3.6253	3.9348	4.7293	267.6900	30.0600	38.6000	49.8300	1.3124		
30/10/2016	92.2761	0.4343	2.7231	3.1576	4.2481	264.1290	29.1000	38.7100	50.1900	0.9902		
31/10/2016	92.5657	0.4870	2.5224	3.0091	4.0876	265.5004	26.3400	38.7300	50.2500	1.2372		

\*/ 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>	90.8613	0.3089	1.3792	2.0151	3.2150	258.0085	22.9900	37.9500	49.0900	0.9902		
<b>Promedio</b>	92.6676	0.5203	2.5143	3.0346	3.9572	261.0291	26.9558	38.6855	50.2048	1.4356		
<b>Máximo</b>	94.2278	0.6740	4.2172	4.6195	5.1253	267.6900	37.6100	39.0300	50.8300	1.7850		
<b>Desv. Est.</b>	1.06062	0.09928	0.67456	0.59576	0.54961	2.88742	3.37022	0.21645	0.33977	0.18822		

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.
01/10/2016	93.3181	0.7784	4.5722	4.6737	5.7491	271.8203	29.9700	38.8800	50.5100	2.1643		
02/10/2016	92.7406	0.6525	4.5320	4.6439	5.7111	271.5332	29.6700	38.8300	50.3500	2.4436		
03/10/2016	91.9927	0.4610	4.8397	5.1709	5.7101	271.3940	30.9700	38.5700	49.6400	2.7319		
04/10/2016	93.4560	0.6316	4.5735	4.7744	5.7292	271.5209	51.6800	38.5900	50.1100	3.1914		
05/10/2016	93.4187	0.6231	4.5738	4.6746	5.7408	271.9716	51.9800	38.5800	50.0900	2.7049		
06/10/2016	93.3831	0.6048	4.5752	4.6750	5.7486	272.0948	30.0700	38.7900	50.3100	2.7319		
07/10/2016	93.7480	0.6208	4.5740	4.6737	5.7545	272.0853	51.0700	38.8200	50.4200	2.3805		
08/10/2016	94.2036	0.7043	4.5729	4.6725	5.7629	271.9437	27.8600	38.9600	50.7800	1.7047		
09/10/2016	94.7046	0.6721	4.5691	4.6682	5.7632	272.9979	25.5500	39.1300	51.0000	1.9210		
10/10/2016	94.7854	0.6990	4.5667	4.6662	5.7708	272.6886	24.6400	38.9000	50.8700	2.3174		
11/10/2016	94.2075	0.6803	4.5670	4.6659	5.7700	273.4999	26.1500	38.8500	50.6300	2.4346		
12/10/2016	94.9255	0.7578	4.5681	4.6675	5.7670	273.3344	26.0500	38.9200	50.8900	1.8399		
13/10/2016	94.7450	0.7344	4.5669	4.6658	5.7614	273.4917	26.7500	39.0200	50.9800	2.3715		
14/10/2016	94.7051	0.7286	4.5684	4.6672	5.7657	273.9574	30.5700	39.0000	50.9500	2.3715		
15/10/2016	94.8020	0.7206	4.5686	4.6677	5.7568	273.1448	27.4600	39.0800	51.0700	2.0832		
16/10/2016	94.4881	0.7080	4.5727	4.6721	5.7505	273.0547	46.2500	39.1400	51.0700	2.2003		
17/10/2016	93.7810	0.6071	4.5742	4.6736	5.7472	272.3960	26.9500	38.9100	50.6800	2.7139		
18/10/2016	93.2849	0.5999	4.6737	4.9357	5.7487	272.3174	27.8600	38.7800	50.2700	2.5067		
19/10/2016	92.7851	0.5410	4.5567	4.6551	5.7533	274.3546	33.9900	38.7700	50.0800	2.8851		
20/10/2016	92.0913	0.5651	4.5491	4.6479	5.7563	274.1186	36.9000	39.1100	50.4400	2.6328		
21/10/2016	92.7535	0.5849	4.5411	4.6400	5.7477	275.9026	40.8200	39.2300	50.7400	2.8130		
22/10/2016	93.2032	0.6070	4.5348	4.6340	5.7452	274.8419	41.5300	39.0400	50.6300	2.4256		
23/10/2016	92.8254	0.5822	4.5452	4.6434	5.7608	275.1225	39.3200	39.2100	50.5400	4.1826		
24/10/2016	92.1109	0.5490	4.5397	4.6386	5.7438	275.3523	29.8700	39.0800	50.5300	2.6148		
25/10/2016	92.3524	0.5067	4.5295	4.6278	5.7197	274.3567	44.3400	39.0700	50.5300	2.1462		
26/10/2016	93.0171	0.5283	4.5347	4.6337	5.7377	274.1064	52.4800	38.8700	50.3700	1.7318		
27/10/2016	93.7011	0.6492	4.5312	4.6299	5.7273	275.0797	30.1700	38.9300	50.6500	1.6867		
28/10/2016	93.5002	0.5600	4.5291	4.6274	5.7258	274.4736	52.4800	38.8500	50.5800	2.6328		
29/10/2016	92.7290	0.5346	4.5172	4.6157	5.7028	274.9312	34.6900	38.6200	50.0600	2.2994		
30/10/2016	94.0121	0.6339	4.5493	4.6481	5.7589	275.8582	34.8900	38.8500	50.6000	1.5155		
31/10/2016	93.4141	0.6076	4.5460	4.6450	5.7535	275.8582	42.9300	38.8200	50.4800	1.6777		

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<b>Mínimo</b>	91.9927	0.4610	4.5172	4.6157	5.7028	271.3940	24.6400	38.5700	49.6400	1.5155		
<b>Promedio</b>	93.5221	0.6269	4.5681	4.6837	5.7465	273.5356	35.6745	38.9097	50.5435	2.3889		
<b>Máximo</b>	94.9255	0.7784	4.8397	5.1709	5.7708	275.9026	52.4800	39.2300	51.0700	4.1826		
<b>Desv. Est.</b>	0.87294	0.07806	0.05746	0.10686	0.01814	1.41764	9.32495	0.17843	0.33547	0.52766		

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.
01/10/2016	89.2597	0.1015	1.7290	2.4699	3.8980	256.4669	23.7400	38.4700	49.5200	1.0650		
02/10/2016	89.3264	0.1119	2.2139	2.8292	3.7815	257.3070	25.0400	38.2600	49.5300	1.1100		
03/10/2016	89.3162	0.1070	3.3898	3.8507	3.5046	256.4397	26.4500	37.7000	48.7200	1.1641		
04/10/2016	89.2752	0.1026	2.3796	2.9788	3.2444	256.7132	26.8500	37.9000	49.0000	1.0470		
05/10/2016	89.2674	0.1008	2.3957	2.9807	3.1947	256.6894	22.2300	38.1200	49.4900	1.0740		
06/10/2016	89.2619	0.0998	2.1319	2.7297	3.2186	256.7855	25.1400	38.0900	49.4700	1.1551		
07/10/2016	89.2540	0.0997	1.9935	2.5764	3.3559	257.5510	22.6300	38.5800	49.5200	0.9839		
08/10/2016	89.2470	0.0993	1.3536	2.0061	3.3907	257.4578	23.6400	38.5800	49.5200	0.9569		
09/10/2016	89.2484	0.0991	0.9790	1.6305	3.0335	256.9933	21.5300	38.5900	49.5200	0.8577		
10/10/2016	89.2415	0.0995	1.1541	1.7885	3.0499	257.6830	22.3300	38.2900	49.5300	1.0470		
11/10/2016	89.2421	0.0988	1.6325	2.2441	3.1489	257.5901	23.0300	38.2900	49.5300	1.0920		
12/10/2016	89.2449	0.0994	0.9339	1.6908	3.0496	257.1231	21.4300	38.5000	49.5200	0.9298		
13/10/2016	89.2500	0.0989	0.9046	1.6338	2.9886	257.5185	22.7300	38.4100	49.5300	0.9298		
14/10/2016	89.2466	0.0988	0.9822	1.6922	3.1698	256.6435	21.8300	38.2300	49.5300	0.8577		
15/10/2016	89.2541	0.0991	0.8311	1.5310	3.2182	257.4364	15.2000	38.5500	49.5200	1.0199		
16/10/2016	89.2630	0.0994	0.9032	1.5903	3.2382	257.3095	17.8100	38.5800	49.5200	0.9478		
17/10/2016	89.2629	0.0991	1.6286	2.2357	3.2718	257.0805	19.6200	38.2200	49.5100	0.9028		
18/10/2016	89.2603	0.0989	2.4594	2.9855	3.2757	256.4187	24.0400	37.7400	48.8600	0.9298		
19/10/2016	89.2620	0.0984	2.7872	3.2963	3.5068	257.2599	17.2100	38.2900	49.5400	1.0560		
20/10/2016	89.2639	0.0988	2.4385	2.9926	4.2241	258.3456	28.2600	38.5400	49.5400	1.1100		
21/10/2016	89.2779	0.0984	1.8467	2.4316	4.1930	259.8041	29.2700	38.6100	49.5500	1.2272		
22/10/2016	89.2849	0.0992	1.8013	2.4029	4.0265	258.6406	31.5800	38.6100	49.5500	0.9478		
23/10/2016	89.2636	0.0981	2.0159	2.5981	4.1728	257.8479	20.6200	38.6100	49.5500	1.0109		
24/10/2016	89.2824	0.0983	2.2709	2.7851	4.4373	258.0176	25.1400	38.6100	49.5500	1.0650		
25/10/2016	89.3127	0.0983	2.3052	2.8120	4.2535	258.6939	15.2000	38.6100	49.5600	0.9028		
26/10/2016	89.2916	0.0990	2.3509	2.8351	3.6365	257.9298	15.7000	38.6000	49.5500	0.7586		
27/10/2016	89.3049	0.0985	1.7609	2.3145	3.5565	257.6102	14.9900	38.6000	49.5600	0.7767		
28/10/2016	89.3068	0.0983	1.8353	2.3953	3.6846	258.5668	22.6300	38.5300	49.5600	0.7226		
29/10/2016	89.3355	0.0985	2.6702	3.2047	3.6846	259.8456	27.4600	38.5700	49.5700	0.8307		
30/10/2016	89.2619	0.0985	1.6438	2.2620	3.4208	257.2497	25.1400	38.6000	49.5400	0.7046		
31/10/2016	89.2681	0.0990	1.9301	2.5262	3.6176	258.2461	24.4400	38.5900	49.5500	0.7767		

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<b>Mínimo</b>	89.2415	0.0981	0.8311	1.5310	2.9886	256.4187	14.9900	37.7000	48.7200	0.7046		
<b>Promedio</b>	89.2722	0.0998	1.8598	2.4613	3.5306	257.5892	22.6745	38.4023	49.4681	0.9664		
<b>Máximo</b>	89.3355	0.1119	3.3898	3.8507	4.4373	259.8456	31.5800	38.6100	49.5700	1.2272		
<b>Desv. Est.</b>	0.02585	0.00281	0.63746	0.57441	0.41381	0.87533	4.20319	0.26331	0.20658	0.13601		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE