

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.
01/07/2016	89.9756	0.4570	3.5384	3.9951	5.2764	259.6242	34.8500	38.9900	49.9900	0.5805	<10.8	0.00
02/07/2016	89.9416	0.4520	3.7513	4.2030	5.2768	259.0324	35.5200	38.7800	49.7600	0.5331		
03/07/2016	90.9301	0.4563	3.0473	3.5038	5.1265	257.4156	27.9500	38.8800	50.1300	0.6489		
04/07/2016	91.0885	0.4669	2.9477	3.4144	5.0495	257.1627	30.6500	38.9000	50.1700	0.4814		
05/07/2016	91.1426	0.4711	2.8328	3.3037	5.1192	257.1341	26.3600	38.9700	50.2500	0.2598		
06/07/2016	91.5046	0.4386	2.9014	3.3400	4.7399	257.1739	26.6600	38.8200	50.1700	0.2598		
07/07/2016	92.9637	0.5312	2.2102	2.7414	3.8808	257.3855	23.7800	38.8200	50.4100	0.2598		
08/07/2016	93.0245	0.5308	2.0787	2.6096	3.8974	257.5283	21.0100	38.9000	50.5200	0.2598		
09/07/2016	90.9198	0.4144	3.4933	3.9077	4.6506	257.1443	21.9900	38.6500	49.8300	0.2598		
10/07/2016	91.9294	0.4812	2.8144	3.2956	4.3239	257.0100	22.9800	38.7400	50.1300	0.2598		
11/07/2016	91.9813	0.5211	2.2670	2.7882	4.6060	257.1061	20.4200	39.1400	50.5800	0.2598		
12/07/2016	91.9436	0.4240	2.3416	2.7656	4.6978	257.5428	20.3300	39.1500	50.6200	0.4586		
13/07/2016	92.6430	0.5148	1.8168	2.3315	4.4724	257.1981	19.6800	39.2300	50.8400	0.5373		
14/07/2016	93.4870	0.5641	1.5597	2.1238	3.9116	257.8441	19.8900	39.1000	50.8400	2.1368		
15/07/2016	93.3868	0.5810	1.4166	1.9978	4.1127	257.6484	19.1000	39.2200	50.9600	2.5746		
16/07/2016	93.3204	0.6400	1.4917	2.1316	4.2041	258.2798	19.0500	39.0900	50.8200	2.4890		
17/07/2016	92.8826	0.5721	2.0171	2.5891	4.1228	258.8425	21.2300	38.9300	50.5400	2.7715		
18/07/2016	93.6619	0.6199	1.8177	2.4378	3.5613	257.6509	22.4300	38.7800	50.5000	2.9974		
19/07/2016	92.9427	0.5312	2.2196	2.7507	3.9668	258.8557	22.4300	38.7800	50.3900	2.8516		
20/07/2016	92.8139	0.4983	2.4307	2.9291	3.9034	258.7035	25.7300	38.7200	50.2700	3.7337		
21/07/2016	92.4003	0.4274	2.4824	2.9098	4.2055	257.7975	31.7100	38.8800	50.4000	2.5006		
22/07/2016	93.2111	0.4332	2.2735	2.7067	3.6044	255.2502	34.7900	38.7800	50.4200	2.2213		
23/07/2016	93.3685	0.4795	1.9951	2.4746	3.6338	254.2758	35.5500	38.9000	50.5900	2.1757		
24/07/2016	93.8087	0.5082	1.4082	1.9164	3.6907	252.5317	37.0200	39.1600	51.0000	2.3273		
25/07/2016	94.2880	0.5200	1.4994	2.0193	3.2411	255.3429	37.3000	38.9300	50.8000	2.1236		
26/07/2016	93.8922	0.5028	2.1177	2.6205	3.1645	255.2482	37.2000	38.5900	50.3400	2.1649		
27/07/2016	93.9896	0.5011	2.0805	2.5817	3.1023	256.0135	39.3600	38.6000	50.3600	1.9966		
28/07/2016	93.4089	0.5085	2.0832	2.5916	3.5922	256.7682	40.8200	38.7800	50.4600	1.8548		
29/07/2016	93.3822	0.4858	2.3465	2.8323	3.4164	256.8324	41.0100	38.6200	50.2600	2.0002		
30/07/2016	92.9309	0.4196	2.9206	3.3404	3.4118	256.2467	40.8900	38.3800	49.9200	2.1830		
31/07/2016	93.1989	0.4552	2.7796	3.2349	3.2539	255.6709	41.6600	38.3500	49.9400	2.1747		

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

Mínimo	89.9416	0.4144	1.4082	1.9164	3.1023	252.5317	19.0500	38.3500	49.7600	0.2598		
Promedio	92.5924	0.4970	2.3542	2.8512	4.1038	257.0407	29.0113	38.8568	50.3939	1.5592		
Máximo	94.2880	0.6400	3.7513	4.2030	5.2768	259.6242	41.6600	39.2300	51.0000	3.7337		
Desv. Est.	1.16469	0.05707	0.62666	0.58684	0.65637	1.47457	7.99931	0.22177	0.32770	1.07180		

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.
01/07/2016	90.3946	0.5219	3.8962	4.3543	5.9195	261.8849	37.2000	39.3400	50.3500	0.8217		
02/07/2016	94.1805	0.7783	4.3578	4.7516	6.3007	261.4411	39.6200	39.3400	51.2600	0.7857		
03/07/2016	91.9106	0.5011	3.4143	3.8837	5.6257	260.8939	33.9900	39.1000	50.3700	1.4164		
04/07/2016	92.1732	0.5243	3.3897	3.8077	5.3497	258.9418	35.3000	39.1100	50.5200	0.7496		
05/07/2016	91.6045	0.5031	3.0189	3.4947	5.7480	259.9518	28.0600	39.1900	50.4700	0.7406		
06/07/2016	93.0200	0.5111	3.4266	3.7781	5.7517	260.2089	30.1700	39.0600	50.3500	0.7406		
07/07/2016	93.7176	0.6118	2.8979	3.3432	4.4272	260.0854	50.7700	39.0400	50.7800	0.7406		
08/07/2016	93.7232	0.5966	2.4609	2.9474	4.3666	260.4509	22.1300	39.0900	50.8000	0.7406		
09/07/2016	92.7831	0.4884	4.5466	4.8912	5.6844	260.1935	46.7500	38.8500	50.3800	0.7406		
10/07/2016	92.6447	0.5575	4.3737	4.7315	5.3611	260.2256	49.2600	39.0000	50.4400	0.7406		
11/07/2016	92.8115	0.5973	2.6632	3.1242	4.9906	259.9401	46.7500	39.3100	50.7700	0.7406		
12/07/2016	93.2816	0.5128	2.7327	3.1536	5.0305	260.6508	24.2400	39.5000	51.2700	0.8037		
13/07/2016	93.2184	0.5518	2.3795	2.8772	4.8977	259.6730	21.4300	39.5600	51.3000	0.8668		
14/07/2016	94.6785	0.7050	2.4251	2.9095	4.2532	260.6991	21.3300	39.5900	51.6500	3.2545		
15/07/2016	94.2579	0.6424	2.0160	2.5473	4.4038	260.4971	20.5200	39.4200	51.2900	3.6149		
16/07/2016	94.1641	0.6923	1.7932	2.4712	4.4707	260.6754	20.5200	39.3300	51.2500	3.4167		
17/07/2016	93.6160	0.6153	2.2782	2.8117	4.8573	261.2133	41.5300	39.2100	50.8200	4.2367		
18/07/2016	93.9761	0.6661	2.0447	2.6991	3.7935	260.7659	27.1500	38.9800	50.7100	5.3089		
19/07/2016	94.9449	0.7826	2.7180	3.1775	4.7612	261.9165	28.4600	39.2600	51.3300	4.5160		
20/07/2016	95.2427	0.5484	2.7955	3.2595	4.6605	262.0098	48.5600	38.9600	50.9700	5.7414		
21/07/2016	93.5739	0.4700	2.7860	3.2431	4.6671	260.3970	51.7800	39.1100	50.7100	3.6600		
22/07/2016	93.5718	0.4724	2.5985	3.0226	3.8593	258.9371	55.0900	38.9400	50.6800	3.1914		
23/07/2016	93.8460	0.5628	2.6723	3.0441	3.8758	256.6561	42.9300	39.2900	51.0900	3.2816		
24/07/2016	95.0408	0.6249	1.6486	2.1402	3.8778	257.2305	42.4300	39.5400	51.6700	3.4798		
25/07/2016	95.9295	0.6451	2.6844	3.0932	3.5906	259.4122	42.3300	39.5300	51.6500	3.1554		
26/07/2016	95.6010	0.5901	2.8044	3.2515	3.5814	258.4954	40.4200	38.8300	50.9700	4.8133		
27/07/2016	94.3521	0.5473	2.4127	2.8943	3.2707	259.0691	47.1500	38.6600	50.4900	2.9301		
28/07/2016	94.1033	0.5541	2.3011	2.7909	3.7486	259.6568	44.8400	38.9000	50.6200	2.7950		
29/07/2016	93.7576	0.5365	2.5935	3.0526	4.0028	260.4398	62.2300	38.9500	50.4400	3.1824		
30/07/2016	93.6433	0.4735	3.4567	3.8405	4.4711	259.8810	45.0400	38.6300	50.1800	3.5429		
31/07/2016	93.6417	0.5128	3.7157	4.1013	3.4016	257.1724	51.5800	38.5100	50.1500	4.0384		

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Mínimo	90.3946	0.4700	1.6486	2.1402	3.2707	256.6561	20.5200	38.5100	50.1500	0.7406		
Promedio	93.6582	0.5773	2.8807	3.3383	4.6129	259.9892	38.6955	39.1332	50.8300	2.5415		
Máximo	95.9295	0.7826	4.5466	4.8912	6.3007	262.0098	62.2300	39.5900	51.6700	5.7414		
Desv. Est.	1.17149	0.08385	0.73416	0.68200	0.81714	1.30796	11.62507	0.28214	0.44356	1.61916		

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.
01/07/2016	89.3412	0.3650	3.2432	3.6258	4.8066	258.6667	30.1700	38.7600	49.6900	0.3712		
02/07/2016	88.5880	0.3938	0.6295	1.4079	3.4256	257.4639	28.4600	38.4400	49.3500	0.3261		
03/07/2016	90.2612	0.4015	2.7801	3.2382	3.9852	256.1268	24.3400	38.4000	49.7100	0.4343		
04/07/2016	90.3977	0.4044	2.3147	2.8336	4.5736	256.4082	26.2500	38.7400	49.9700	0.3351		
05/07/2016	90.5878	0.4335	2.4548	2.9578	4.6676	255.5605	24.7400	38.7800	50.0700	0.3351		
06/07/2016	90.0363	0.3504	2.3998	2.9066	3.6774	256.0207	23.8400	38.4800	49.8200	0.3351		
07/07/2016	92.2212	0.4353	1.5619	2.1630	3.5556	255.6880	12.4800	38.5600	50.0200	0.3351		
08/07/2016	92.4993	0.4858	1.5854	2.1588	3.6589	256.3403	20.1200	38.7500	50.3000	0.3351		
09/07/2016	89.0844	0.3390	2.3486	2.8346	3.8668	256.0481	12.3800	38.4200	49.3100	0.3351		
10/07/2016	89.2237	0.3579	2.3121	2.8441	3.8287	256.0169	20.5200	38.1000	49.1500	0.3351		
11/07/2016	91.1471	0.4380	1.9093	2.4514	4.0448	255.6599	12.2800	38.8600	50.2700	0.3351		
12/07/2016	91.2620	0.3870	1.2169	1.7284	4.1362	256.8350	19.1100	39.0400	50.4300	0.3351		
13/07/2016	92.1156	0.4804	1.1877	1.7216	3.8678	256.1864	17.1000	38.7800	50.3400	0.3532		
14/07/2016	92.4969	0.4844	0.2541	0.9289	3.6872	256.6373	18.1100	38.8200	50.3600	0.3532		
15/07/2016	92.7972	0.5079	0.8038	1.4355	3.7640	256.5338	17.7100	38.9600	50.5900	1.9030		
16/07/2016	92.6622	0.5824	0.8675	1.4985	3.7961	256.0640	17.3100	38.9500	50.6100	2.0201		
17/07/2016	92.0205	0.5178	1.6644	2.2530	3.4833	257.3988	18.1100	38.6900	50.3400	2.0291		
18/07/2016	93.3588	0.5814	1.5949	2.2214	3.4098	256.6873	20.9200	38.6500	50.3200	2.0291		
19/07/2016	91.7695	0.4594	0.3856	1.1682	3.4260	257.1346	11.6800	38.6500	50.2300	1.9570		
20/07/2016	92.0460	0.4505	1.0903	1.6161	2.8257	256.9984	15.0900	38.5200	50.0600	2.5067		
21/07/2016	91.8515	0.3925	1.8512	2.3031	3.5352	256.1520	26.2500	38.5300	50.0600	1.9390		
22/07/2016	92.8715	0.3971	1.8760	2.3373	3.4039	253.2659	30.9700	38.6600	50.2200	1.7408		
23/07/2016	92.9515	0.3692	1.2957	1.8195	3.4246	251.7868	24.0400	38.5900	50.1800	1.5515		
24/07/2016	93.4758	0.4550	0.2352	0.8512	3.5251	250.2650	29.7700	39.0000	50.8100	1.3443		
25/07/2016	92.9974	0.4082	0.2351	0.8736	2.5910	249.7318	29.3700	38.5600	50.1300	1.2182		
26/07/2016	93.1630	0.4376	0.9225	1.5017	2.6494	253.8419	28.8600	38.2500	49.8700	1.5155		
27/07/2016	93.5864	0.4536	1.8123	2.3506	2.9716	254.6464	32.9800	38.4900	50.1600	1.4434		
28/07/2016	93.0867	0.4649	1.8186	2.3671	3.0162	255.4474	39.0100	38.5600	50.3500	1.2812		
29/07/2016	92.4886	0.4463	2.0699	2.5585	3.1099	255.3928	34.8900	38.4100	50.0500	1.4344		
30/07/2016	91.5342	0.3791	2.4253	2.8779	3.1174	254.7318	33.0800	38.1300	49.5600	1.5786		
31/07/2016	92.2592	0.3739	2.3918	2.8860	3.1143	254.3787	35.4000	38.0400	49.3800	1.3894		

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Mínimo	88.5880	0.3390	0.2351	0.8512	2.5910	249.7318	11.6800	38.0400	49.1500	0.3261		
Promedio	91.7478	0.4333	1.5980	2.1523	3.5789	255.4876	23.7206	38.5990	50.0552	1.0882		
Máximo	93.5864	0.5824	3.2432	3.6258	4.8066	258.6667	39.0100	39.0400	50.8100	2.5067		
Desv. Est.	1.40983	0.06147	0.79909	0.72866	0.53537	1.97310	7.60650	0.25526	0.40150	0.73078		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE