

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.
01/12/2019	94.4483	0.8188	0.5747	1.3936	3.6934	256.7350	23.3800	39.3700	51.2700	1.2256		
02/12/2019	94.3191	0.8514	0.5538	1.4052	3.7909	256.7517	25.5800	39.3900	51.2700	1.2078		
03/12/2019	94.2720	0.8723	0.5934	1.4656	3.7575	256.5974	27.9100	39.3700	51.2200	1.1789		
04/12/2019	94.3108	0.8484	0.6188	1.4671	3.7584	256.6105	35.8500	39.3500	51.2200	1.7304		
05/12/2019	94.0979	0.8777	0.5840	1.4619	3.9205	256.5030	22.5700	39.4300	51.2600	1.9616		
06/12/2019	94.4492	0.9302	0.5100	1.4402	3.6333	256.3496	19.8600	39.3300	51.2100	1.8144		
07/12/2019	94.3494	0.8768	0.5312	1.4081	3.7176	257.1807	18.5700	39.4100	51.2800	1.6126		
08/12/2019	93.3185	0.7640	0.6464	1.4104	4.8146	256.9171	19.6500	39.6900	51.4700	1.6992		
09/12/2019	93.9228	0.6716	1.2282	1.8996	3.4559	261.6323	21.2900	39.3100	51.0500	1.6947		
10/12/2019	93.7131	0.7141	0.8125	1.5266	4.3604	254.3619	21.2200	39.4300	51.2700	1.9961		
11/12/2019	93.6104	0.8193	0.5768	1.3960	4.7635	251.8308	20.4900	39.4700	51.3400	2.1333		
12/12/2019	93.4597	0.9039	0.5099	1.4138	4.9041	251.4286	21.9300	39.5100	51.3300	2.1660		
13/12/2019	93.4809	0.8826	0.5122	1.3947	4.8807	251.2584	21.5600	39.5000	51.3400	1.8572		
14/12/2019	94.1691	0.7994	0.5712	1.3706	4.2141	250.0270	19.2000	39.3200	51.2700	1.9689		
15/12/2019	93.9742	0.7412	0.6548	1.3959	4.2107	250.3862	16.3200	39.4400	51.3200	2.1150		
16/12/2019	93.5499	0.7602	0.6585	1.4187	4.6450	249.8103	18.5000	39.5300	51.3800	2.6077		
17/12/2019	93.3836	0.8149	0.6317	1.4467	4.8975	250.1152	20.9400	39.5100	51.3500	2.6196		
18/12/2019	93.4194	0.7720	0.6392	1.4111	4.9009	250.5614	18.3000	39.5300	51.3700	2.1931		
19/12/2019	93.4542	0.7946	0.6012	1.3958	4.8887	250.2977	18.8700	39.5100	51.3700	2.4833		
20/12/2019	93.4427	0.7975	0.5807	1.3782	4.9414	249.5481	15.8700	39.5300	51.3800	2.3849		
21/12/2019	93.5849	0.8086	0.5726	1.3812	4.8017	249.5444	14.2100	39.4900	51.3600	3.0103		
22/12/2019	93.5556	0.8085	0.5871	1.3955	4.7885	249.8328	14.5700	39.5000	51.3600	3.3825		
23/12/2019	93.4871	0.7454	0.6907	1.4361	4.8186	249.4198	14.7200	39.4800	51.3500	1.7988		
24/12/2019	93.6538	0.7303	0.7160	1.4463	4.6435	248.9316	14.1300	39.4200	51.2900	1.5403		
25/12/2019	93.7483	0.7079	0.7497	1.4574	4.5401	248.5817	13.1600	39.3900	51.2800	1.3495		
26/12/2019	93.9943	0.7484	0.7391	1.4876	4.2968	248.6540	13.0700	39.2900	51.2100	1.2917		
27/12/2019	93.8051	0.7403	0.7269	1.4672	4.5330	248.2143	14.3800	39.3600	51.2500	1.1450		
28/12/2019	93.5429	0.7701	0.6982	1.4684	4.7730	247.8775	14.8400	39.4400	51.3000	1.1897		
29/12/2019	93.6425	0.7492	0.7170	1.4662	4.6826	247.9943	14.8200	39.4100	51.2800	0.7585		
30/12/2019	93.6143	0.7583	0.7102	1.4684	4.7012	247.9467	15.0100	39.4100	51.2700	0.7164		
31/12/2019	93.7548	0.7575	0.6986	1.4561	4.5774	248.1576	15.0000	39.3700	51.2600	0.4470		

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

Mínimo	93.3185	0.6716	0.5099	1.3706	3.4559	247.8775	13.0700	39.2900	51.0500	0.4470		
Promedio	93.7913	0.7947	0.6515	1.4461	4.4292	251.9373	18.8958	39.4352	51.2961	1.7832		
Máximo	94.4492	0.9302	1.2282	1.8996	4.9414	261.6323	35.8500	39.6900	51.4700	3.3825		
Desv. Est.	0.35019	0.06259	0.13270	0.09212	0.47366	3.78953	4.93469	0.08493	0.07544	0.66424		

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.
01/12/2019	94.5343	0.8467	0.5965	1.4331	3.7658	259.2499	36.7000	39.4000	51.2900	1.6236		
02/12/2019	94.4923	0.9559	0.6193	1.4848	3.9725	257.5941	34.9900	39.4600	51.3400	1.6957		
03/12/2019	94.4651	0.9372	0.6486	1.5458	3.9652	257.8828	51.6800	39.4700	51.3200	1.5966		
04/12/2019	94.4211	0.8951	0.6504	1.5119	3.9239	257.8911	319.1100	39.4200	51.2700	29.6912		
05/12/2019	94.3514	0.9325	0.6031	1.5050	3.9640	257.6799	25.0400	39.4700	51.3000	2.6058		
06/12/2019	94.7655	1.0354	0.5505	1.5004	3.8647	258.5409	24.6400	39.4000	51.2700	2.4526		
07/12/2019	94.6290	1.0441	0.6040	1.4957	3.9302	258.5991	19.8200	39.6400	51.4600	1.9931		
08/12/2019	94.3764	0.8264	0.6936	1.4563	5.1727	259.2323	21.1200	39.9100	51.6100	2.2634		
09/12/2019	94.1680	0.7885	1.5324	2.1538	4.9465	262.9883	22.8300	39.7200	51.4800	2.4346		
10/12/2019	94.1680	0.8168	1.5324	2.1538	5.0692	262.9055	23.5400	39.6600	51.5400	2.5427		
11/12/2019	93.7665	0.8848	0.6352	1.4287	4.9643	255.7601	21.8300	39.5400	51.3900	2.6959		
12/12/2019	93.6420	1.0004	0.5461	1.4817	5.0348	256.4914	23.8400	39.5500	51.3800	3.0473		
13/12/2019	93.6744	1.0152	0.5894	1.5277	5.1849	254.3694	31.0700	39.6700	51.4500	2.6328		
14/12/2019	94.5337	0.8947	0.6406	1.4440	4.9084	252.2276	23.6400	39.5100	51.3800	2.7950		
15/12/2019	94.4205	0.8072	0.7227	1.4340	4.4864	252.0857	18.9100	39.6000	51.4200	3.0022		
16/12/2019	94.0973	0.8447	0.7412	1.4909	5.0132	252.0830	22.1300	39.7100	51.4500	3.6510		
17/12/2019	93.6946	0.9181	0.7080	1.5338	5.1751	251.4671	23.7400	39.7100	51.4800	3.7771		
18/12/2019	93.7206	0.8383	0.6925	1.4634	5.0313	251.8928	20.5200	39.6000	51.4400	2.8761		
19/12/2019	93.8682	0.9167	0.6327	1.4885	5.1018	252.3369	19.9200	39.6000	51.4300	3.2635		
20/12/2019	93.7087	0.9024	0.6279	1.4523	5.2288	250.9179	20.5200	39.6300	51.4400	3.0473		
21/12/2019	93.8442	0.8532	0.6159	1.4366	4.9804	250.5677	15.6000	39.5600	51.4100	4.0835		
22/12/2019	93.7597	0.8873	0.6218	1.4754	5.0746	250.7196	19.8200	39.6600	51.4800	4.3628		
23/12/2019	93.7992	0.8162	0.7506	1.4961	5.0907	250.5416	15.8000	39.6100	51.4200	3.4978		
24/12/2019	93.8444	0.8023	0.7723	1.5143	4.9180	251.0262	40.6200	39.4900	51.3400	1.9480		
25/12/2019	93.9454	0.7663	0.7825	1.5152	4.6753	250.1205	18.2100	39.4400	51.3400	1.8399		
26/12/2019	94.1026	0.8309	0.7869	1.5309	4.4368	249.7826	35.7000	39.3500	51.2600	1.7588		
27/12/2019	94.0139	0.8114	0.7949	1.5164	4.6516	249.3242	15.6000	39.4000	51.3000	1.4164		
28/12/2019	93.6933	0.8378	0.7271	1.5355	4.8716	249.4269	18.3100	39.4800	51.3300	1.5606		
29/12/2019	93.7174	0.7915	0.7383	1.5146	4.7749	249.6551	19.2200	39.4400	51.3300	0.9839		
30/12/2019	93.7952	0.7910	0.7381	1.5040	4.8686	249.6657	16.2000	39.4700	51.3300	1.0019		
31/12/2019	93.8774	0.8106	0.7226	1.5076	4.6220	249.7705	16.5000	39.3900	51.2900	0.6145		

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Mínimo	93.6420	0.7663	0.5461	1.4287	3.7658	249.3242	15.6000	39.3500	51.2600	0.6145		
Promedio	94.0610	0.8742	0.7296	1.5333	4.6990	253.9612	33.4571	39.5471	51.3861	3.3147		
Máximo	94.7655	1.0441	1.5324	2.1538	5.2288	262.9883	319.1100	39.9100	51.6100	29.6912		
Desv. Est.	0.34322	0.07665	0.22555	0.16891	0.47394	4.20711	53.65459	0.12721	0.08582	4.98144		

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.
01/12/2019	94.3440	0.8043	0.5634	1.3728	3.6129	255.7688	11.7800	39.3300	51.2400	1.0199		
02/12/2019	94.1571	0.7975	0.5097	1.3587	3.6433	255.8008	22.7300	39.3400	51.2000	0.8217		
03/12/2019	94.0685	0.8306	0.5082	1.3822	3.6060	255.4507	23.6400	39.2700	51.1200	0.6595		
04/12/2019	94.1219	0.8154	0.5889	1.4312	3.6391	255.5225	21.5300	39.3000	51.1700	0.0000		
05/12/2019	94.0485	0.8557	0.5448	1.4324	3.7188	255.2627	20.3200	39.3200	51.1800	1.2092		
06/12/2019	94.2130	0.8842	0.4553	1.3945	3.2533	255.1408	17.3100	39.2200	51.0900	1.1190		
07/12/2019	94.0574	0.7659	0.4405	1.3328	3.4049	256.1295	17.4100	39.2900	51.1400	1.1911		
08/12/2019	92.8184	0.7131	0.5305	1.3399	3.7080	255.1157	17.2100	39.3900	51.2900	1.1100		
09/12/2019	93.1457	0.6215	0.6193	1.3915	2.8108	257.3361	20.0200	39.1200	50.8300	1.0920		
10/12/2019	93.2901	0.6215	0.5724	1.2410	2.8108	248.0220	19.4200	39.1200	50.8300	1.1821		
11/12/2019	93.4006	0.7690	0.5383	1.3665	4.6190	250.5015	19.3200	39.4300	51.2900	1.4795		
12/12/2019	93.3132	0.8472	0.4752	1.3773	4.6982	250.3222	20.2200	39.4300	51.2300	1.4614		
13/12/2019	93.1601	0.7941	0.3837	1.3357	4.6864	249.2105	18.7100	39.4200	51.2200	1.0199		
14/12/2019	93.4664	0.7317	0.4926	1.2995	3.8494	248.9453	8.5600	39.2000	51.1700	1.1731		
15/12/2019	93.5422	0.6715	0.5901	1.3465	3.9160	249.4242	14.7900	39.2400	51.2000	1.3984		
16/12/2019	93.1198	0.7050	0.5833	1.3567	4.1253	248.0850	16.7000	39.3800	51.2700	1.7678		
17/12/2019	92.9533	0.7519	0.5775	1.3880	4.5919	248.8081	18.8100	39.3800	51.2100	1.7137		
18/12/2019	93.2567	0.7118	0.6090	1.3676	4.5884	249.5185	16.9000	39.4100	51.2700	1.6236		
19/12/2019	93.2368	0.7357	0.5485	1.3332	4.5412	248.6799	17.6100	39.4000	51.2800	1.6507		
20/12/2019	93.1312	0.7213	0.5220	1.3245	4.7318	248.4766	13.5900	39.4700	51.3100	1.7858		
21/12/2019	93.4294	0.7560	0.5158	1.3378	4.5642	248.6008	13.2900	39.4200	51.2800	1.8939		
22/12/2019	93.3018	0.7361	0.5552	1.3209	4.5900	249.0433	13.4900	39.4400	51.2700	2.3895		
23/12/2019	93.2255	0.7097	0.6002	1.3428	4.5428	248.3202	8.4600	39.3800	51.2600	1.1371		
24/12/2019	93.3765	0.6790	0.7025	1.3998	4.4811	247.7931	5.9500	39.3700	51.2400	1.1281		
25/12/2019	93.6285	0.6755	0.7113	1.4102	4.3486	247.6868	10.3700	39.3200	51.2100	0.8668		
26/12/2019	93.8486	0.6733	0.6828	1.4563	4.1622	247.5648	2.0300	39.2400	51.1600	0.8577		
27/12/2019	93.6256	0.6727	0.6835	1.4189	4.2916	247.0870	13.0800	39.2900	51.2100	0.8577		
28/12/2019	93.4440	0.7150	0.6705	1.4312	4.6242	246.3419	2.3300	39.3500	51.2000	0.8397		
29/12/2019	93.4892	0.7158	0.7019	1.4314	4.6013	246.7861	13.3900	39.3700	51.2300	0.5153		
30/12/2019	93.4472	0.7333	0.6960	1.4382	4.5460	246.9277	11.3800	39.3700	51.2400	0.3892		
31/12/2019	93.7141	0.7044	0.6833	1.4211	4.4925	247.3626	10.8700	39.3400	51.2100	0.2450		

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Mínimo	92.8184	0.6215	0.3837	1.2410	2.8108	246.3419	2.0300	39.1200	50.8300	0.0000		
Promedio	93.5282	0.7393	0.5760	1.3736	4.1226	250.4850	14.8781	39.3339	51.1952	1.1483		
Máximo	94.3440	0.8842	0.7113	1.4563	4.7318	257.3361	23.6400	39.4700	51.3100	2.3895		
Desv. Est.	0.39980	0.06535	0.08570	0.04814	0.56659	3.54816	5.54837	0.08879	0.11042	0.50996		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.