

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Valores promedio diarios)

PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

NATGASMEX, S.A. DE C.V.  
Tetla  
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.
01/10/2014	89.0784	0.2879	4.2658	4.5537	5.7846	258.4207	130.8509	38.7397	49.5919	2.6313	< 10.8	0.0000
02/10/2014	88.4516	0.2308	4.7640	4.9948	6.0196	255.3085	94.5433	38.5943	49.3289	2.3100		
03/10/2014	88.5593	0.2484	4.2070	4.4554	6.2909	258.4173	96.7400	38.9986	49.7967	2.1714		
04/10/2014	88.0224	0.2411	4.2888	4.5299	6.7948	256.0053	102.2327	39.0740	49.8116	2.9867		
05/10/2014	88.3066	0.2245	4.0712	4.2957	6.6780	257.8395	94.3462	39.1809	49.9794	2.3690		
06/10/2014	87.8144	0.1876	4.7532	4.9408	6.6001	256.4365	108.2908	38.8552	49.5179	2.3242		
07/10/2014	87.4781	0.1954	4.6317	4.8271	6.8485	260.6198	105.8265	39.1248	49.7247	2.1858		
08/10/2014	87.8444	0.2478	3.8509	4.0988	7.1175	259.4048	132.8917	39.5335	50.2660	2.0507		
09/10/2014	88.1452	0.2901	3.6059	3.8960	7.1015	257.6250	129.0049	39.5495	50.3538	1.9068		
10/10/2014	87.7388	0.3020	3.7330	4.0350	7.3369	258.4773	118.9633	39.5907	50.3153	1.8207		
11/10/2014	87.9739	0.3004	3.5882	3.8885	7.0960	259.7520	118.2709	39.6761	50.4283	1.7795		
12/10/2014	88.9328	0.3143	2.7919	3.1062	6.8361	258.7086	114.2398	39.9545	50.9282	1.5981		
13/10/2014	88.7739	0.3191	3.0532	3.3723	6.8185	260.8800	112.9357	39.7946	50.7144	1.7679		
14/10/2014	87.7808	0.2659	3.7808	4.0467	7.0098	263.0967	127.1059	39.6944	50.3780	1.6730		
15/10/2014	87.6187	0.2770	3.7114	3.9885	7.1660	262.4166	149.1543	39.7999	50.4620	1.6486		
16/10/2014	87.6214	0.2771	3.9928	4.2699	7.0228	262.1738	145.7293	39.5579	50.1998	1.7837		
17/10/2014	87.4729	0.2390	4.6256	4.8646	6.5067	262.3067	139.2734	39.2360	49.7629	2.2910		
18/10/2014	87.5048	0.2406	4.3777	4.6183	6.8835	261.2579	145.9994	39.3318	49.9252	2.3130		
19/10/2014	87.8776	0.2666	4.0761	4.3427	6.9822	259.7370	141.8888	39.3269	50.0354	2.6341		
20/10/2014	88.1485	0.2750	3.9188	4.1937	6.6008	264.8323	129.9467	39.4747	50.1832	2.3270		
21/10/2014	87.7959	0.2492	4.1244	4.3736	6.6009	267.2039	157.3744	39.5387	50.1491	2.0545		
22/10/2014	88.3229	0.2728	3.7497	4.0224	6.6661	265.3248	184.8388	39.5135	50.2804	2.1306		
23/10/2014	88.4459	0.2716	3.5449	3.8166	6.7700	263.7590	168.7291	39.6041	50.4232	1.9687		
24/10/2014	88.3966	0.2691	3.3842	3.6533	6.9529	263.9580	162.3212	39.7417	50.5750	2.0421		
25/10/2014	88.1525	0.2614	3.7795	4.0409	6.9851	261.9424	161.2793	39.4708	50.2510	2.2722		
26/10/2014	87.4585	0.2328	4.2688	4.5015	7.0007	263.1803	158.9093	39.4487	50.0462	2.0721		
27/10/2014	87.0699	0.1938	4.3656	4.5594	7.2240	265.6290	170.4310	39.5726	50.1025	2.1356		
28/10/2014	87.5611	0.2021	4.0743	4.2763	6.9565	266.9736	177.9739	39.6540	50.2695	1.7737		
29/10/2014	87.6163	0.2083	3.8064	4.0146	7.1079	266.6557	195.6587	39.8307	50.4835	1.6046		
30/10/2014	87.5185	0.2578	3.6095	3.8673	7.3244	264.7695	184.1697	39.9544	50.6092	1.6296		
31/10/2014	87.3879	0.2441	3.7615	4.0056	7.1717	267.3641	187.3007	39.9709	50.5608	1.8984		

\*/ 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>	87.0699	0.1876	2.7919	3.1062	5.7846	255.3085	94.3462	38.5943	49.3289	1.5981		
<b>Promedio</b>	87.9636	0.2546	3.9534	4.2081	6.8469	261.6283	140.2329	39.4641	50.1759	2.0695		
<b>Máximo</b>	89.0784	0.3191	4.7640	4.9948	7.3369	267.3641	195.6587	39.9709	50.9282	2.9867		
<b>Desv. Est.</b>	0.48819	0.03483	0.45856	0.43360	0.35211	3.48974	29.83876	0.35055	0.36809	0.33543		

Observaciones:

DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE GDF SUEZ.  
DE ACUERDO AL LABORATORIO ACREDITADO QUE REALIZÓ LOS ANÁLISIS DEL GAS NATURAL, EL NIVEL DE OXÍGENO ES INFERIOR AL MÍNIMO DETECTABLE POR SUS EQUIPOS (0.01% MOL)

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL  
(Registros Máximos diarios)**

PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

NATGASMEX, S.A. DE C.V.

Tetla

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.
01/10/2014	92.8225	0.6717	4.5757	5.2475	6.2033	263.5190	151.0446	40.0305	51.7408	3.9245		
02/10/2014	93.5009	0.3422	5.8516	6.1939	6.2152	263.8866	139.2672	39.0615	50.8227	3.6341		
03/10/2014	89.3729	0.2955	6.7149	7.0104	6.6974	261.6860	120.7179	39.0264	49.8675	3.2117		
04/10/2014	89.3611	0.2871	4.9826	5.2697	6.7972	256.1471	137.7951	39.3231	50.1115	9.2568		
05/10/2014	88.4476	0.3137	4.5406	4.8544	7.1606	259.6574	116.7921	39.3128	50.0147	3.7397		
06/10/2014	89.2137	0.2615	4.5989	4.8604	7.1938	261.0295	128.2750	39.3865	50.1763	3.5109		
07/10/2014	91.2240	0.4083	5.3372	5.7455	7.0556	260.5075	142.1134	39.8720	51.2945	3.2557		
08/10/2014	94.4023	0.2668	5.3136	5.5804	7.4281	265.6057	156.9333	39.3727	50.6846	2.6662		
09/10/2014	88.9127	0.2982	4.4012	4.6993	7.6228	261.7465	145.6466	39.9145	50.5338	2.5518		
10/10/2014	89.0084	0.3441	3.8400	4.1840	7.5546	260.4993	138.6784	39.7553	50.5147	2.6486		
11/10/2014	88.2665	0.3540	4.3247	4.6788	7.7409	259.3186	143.5856	39.8886	50.6942	6.9426		
12/10/2014	89.1080	0.3301	4.1144	4.4445	8.0519	262.8538	127.7843	40.0460	50.6575	2.2702		
13/10/2014	92.4611	0.5497	3.5295	4.0791	7.3724	261.1877	320.9330	40.5425	52.2153	2.5694		
14/10/2014	95.6050	0.3920	3.5175	3.9096	7.2761	265.2451	147.2169	40.0021	51.7775	2.3934		
15/10/2014	88.6607	0.3051	5.3255	5.6306	7.9290	266.9484	169.4958	40.0086	50.6250	28.8176		
16/10/2014	88.1698	0.3308	4.7542	5.0850	7.8204	264.8065	174.2067	40.1326	50.7439	2.4990		
17/10/2014	88.2337	0.3234	5.3870	5.7103	8.0041	265.1336	154.9704	39.7897	50.4591	3.8893		
18/10/2014	88.4848	0.2898	5.1342	5.4241	7.4024	265.1863	167.2384	39.5214	50.0580	4.7604		
19/10/2014	88.8272	0.2710	4.6359	4.9069	7.4744	263.6754	157.2277	39.5641	50.1232	4.0741		
20/10/2014	88.5103	0.2986	4.3683	4.6669	7.7193	262.4345	145.1559	39.4508	50.1978	3.6693		
21/10/2014	88.8361	0.2969	4.2392	4.5360	7.1613	267.8400	187.7507	39.6919	50.4090	3.8277		
22/10/2014	89.3922	0.2830	6.8374	7.1203	7.5911	272.5228	208.9499	39.9316	50.4096	2.6838		
23/10/2014	88.9462	0.3135	4.1832	4.4968	7.1366	267.6228	198.3503	39.8830	50.6404	2.9654		
24/10/2014	89.2888	0.3312	4.7255	5.0567	7.0058	267.2985	186.4748	39.8018	50.6203	3.5461		
25/10/2014	88.7401	0.3052	3.6741	3.9792	7.2981	265.8810	198.8410	39.9257	50.7731	3.3525		
26/10/2014	88.8387	0.2791	4.0729	4.3520	7.4698	265.9770	202.4724	39.6951	50.4465	4.7252		
27/10/2014	88.3953	0.2815	6.2214	6.5029	7.8021	269.3899	208.2629	39.7004	50.3565	3.4669		
28/10/2014	89.0862	0.2292	4.9197	5.1489	7.8906	268.1761	223.4753	39.9106	50.4135	3.3085		
29/10/2014	91.6404	0.4060	4.5345	4.9405	7.2427	268.5963	260.4758	40.1249	51.6667	2.4814		
30/10/2014	91.2168	0.2499	4.1783	4.4282	7.6085	269.3833	225.0456	40.4601	50.9363	2.7278		
31/10/2014	92.3486	0.5318	4.3161	4.8478	8.1796	268.3791	246.0486	40.5608	52.0585	2.8158		

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<b>Mínimo</b>	88.1698	0.2292	3.5175	3.9096	6.2033	256.1471	116.7921	39.0264	49.8675	2.2702		
<b>Promedio</b>	89.9781	0.3368	4.7468	5.0836	7.3905	264.5852	175.2008	39.7964	50.7111	4.3931		
<b>Máximo</b>	95.6050	0.6717	6.8374	7.1203	8.1796	272.5228	320.9330	40.5608	52.2153	28.8176		
<b>Desv. Est.</b>	2.01563	0.09424	0.83238	0.81232	0.47892	3.64386	46.17137	0.37904	0.60826	4.74479		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE GDF SUEZ.

**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.
01/10/2014	88.3014	0.2474	0.5309	0.7784	5.0876	257.3062	121.3068	38.7314	49.4525	1.7511		
02/10/2014	87.9565	0.1364	1.8303	1.9667	3.7848	253.4386	76.3565	37.9529	48.5402	1.6895		
03/10/2014	86.0054	0.0977	4.0811	4.1788	5.6214	251.3750	79.2027	38.0685	48.2761	1.6367		
04/10/2014	88.0181	0.1861	3.8782	4.0644	5.5418	252.4609	81.2638	38.6999	49.3267	1.2847		
05/10/2014	87.4202	0.1104	4.0634	4.1737	6.3618	252.5203	83.6192	38.8170	49.5879	1.8566		
06/10/2014	87.3949	0.1688	3.5793	3.7481	6.2532	253.3972	89.6060	38.8413	49.5926	1.6191		
07/10/2014	86.9858	0.1411	1.7270	1.8681	5.7238	261.1851	92.0597	38.5034	49.0762	1.5839		
08/10/2014	86.4172	0.1591	1.9779	2.1370	2.9906	257.8433	122.9752	38.7558	49.3503	1.6015		
09/10/2014	87.1158	0.1977	3.5093	3.7069	6.1928	255.1852	113.2589	39.0348	49.8663	1.5663		
10/10/2014	87.4747	0.2288	3.3295	3.5583	6.6496	253.9162	103.4444	39.3122	50.1551	1.4167		
11/10/2014	87.0884	0.2327	3.2785	3.5112	6.7221	253.5416	102.6593	39.1844	49.8199	1.2847		
12/10/2014	86.8009	0.2768	3.2245	3.5012	6.0232	257.9859	107.9591	39.2578	50.1298	1.1351		
13/10/2014	87.7000	0.2729	0.2778	0.5507	5.4384	253.9297	111.3942	39.7679	50.5646	1.2099		
14/10/2014	87.9581	0.1777	0.2667	0.4444	3.0080	258.7764	114.8292	39.5120	50.4115	1.2847		
15/10/2014	85.5747	0.1409	3.3531	3.4940	6.5802	260.5388	134.1637	39.3597	49.6058	1.3507		
16/10/2014	86.8085	0.2398	3.3900	3.6298	6.6587	259.9003	135.7340	39.3067	49.7349	1.4167		
17/10/2014	85.4944	0.1441	3.5199	3.6640	6.6798	260.0891	131.0231	39.2494	49.5368	1.6367		
18/10/2014	86.4387	0.2039	4.2114	4.4153	5.3162	265.2401	138.0895	38.6809	49.2651	1.5575		
19/10/2014	86.8441	0.2135	4.1839	4.3974	5.4295	263.8488	129.4528	38.9332	49.6332	2.0590		
20/10/2014	87.0872	0.2401	3.7769	4.0170	6.5932	255.5760	120.9142	39.1135	49.7964	1.6279		
21/10/2014	87.4269	0.2551	3.7008	3.9559	6.1175	260.5666	129.0602	39.1622	49.9565	1.4255		
22/10/2014	83.8596	0.0418	3.4609	3.5028	5.8826	264.8438	169.2013	39.2046	48.9496	1.5575		
23/10/2014	87.7845	0.2217	3.3783	3.5999	6.1184	261.4022	155.4611	39.1481	49.8923	1.4607		
24/10/2014	87.7455	0.1540	3.2259	3.3799	6.4850	253.0624	147.0206	38.8250	49.5341	1.5751		
25/10/2014	87.9363	0.2224	3.1302	3.3526	6.6574	262.4817	145.3522	39.5921	50.3835	1.6895		
26/10/2014	87.6742	0.2347	3.5856	3.8203	6.5579	259.1456	138.7765	39.2171	50.0615	1.3111		
27/10/2014	84.6334	0.0608	3.7592	3.8200	6.5126	258.5016	151.9279	39.1127	49.1945	1.5663		
28/10/2014	86.1070	0.1709	3.7452	3.9160	6.0462	263.1225	156.7370	39.2484	49.8052	0.4488		
29/10/2014	87.0124	0.1672	1.2146	1.3818	5.7871	261.6523	170.6735	39.4748	49.9804	1.1879		
30/10/2014	86.6879	0.1788	2.5373	2.7161	5.0896	262.5027	159.4850	39.4028	50.0912	1.1879		
31/10/2014	86.1533	0.1927	0.4625	0.6551	5.6162	259.3399	160.6628	39.5359	50.1522	1.3287		

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<b>Mínimo</b>	83.8596	0.0418	0.2667	0.4444	2.9906	251.3750	76.3565	37.9529	48.2761	0.4488		
<b>Promedio</b>	86.9002	0.1844	2.9094	3.0937	5.7912	258.2154	124.9571	39.0647	49.6685	1.4615		
<b>Máximo</b>	88.3014	0.2768	4.2114	4.4153	6.7221	265.2401	170.6735	39.7679	50.5646	2.0590		
<b>Desv. Est.</b>	1.01872	0.05811	1.22350	1.21545	0.98322	4.07044	27.58905	0.41170	0.51637	0.28281		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE GDF SUEZ.