

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.
01/09/2016	99.9666	0.0334	0.0000	0.0334	0.0000	175.6510	24.3600	38.4400	51.5900	1.8956		
02/09/2016	94.4894	0.5939	1.4809	2.0748	3.2110	243.3089	24.8400	38.7600	50.6700	1.9138		
03/09/2016	93.2758	0.7871	1.6655	2.4528	3.9909	258.7042	25.4600	38.8700	50.5100	1.7965		
04/09/2016	93.4705	0.8592	1.1666	2.0259	4.1990	257.8423	23.7500	39.1100	50.8300	1.6156		
05/09/2016	93.2243	0.7523	1.0808	1.8331	4.4750	258.1534	22.5300	39.3700	51.0800	1.6297		
06/09/2016	93.4918	0.7653	1.0894	1.8549	4.2542	257.9124	23.2600	39.2500	51.0000	1.8366		
07/09/2016	93.3893	0.7687	1.3485	2.1172	4.1533	258.2628	23.9300	39.0800	50.7900	1.6691		
08/09/2016	92.9999	0.6859	1.9564	2.6423	4.0433	258.3573	25.7900	38.8300	50.4200	1.8363		
09/09/2016	92.5443	0.6355	2.3949	3.0303	4.1280	257.5371	25.3900	38.7000	50.1900	2.0753		
10/09/2016	92.5126	0.6307	2.5775	3.2081	3.9989	257.4371	26.8400	38.5800	50.0300	2.0402		
11/09/2016	93.1086	0.7607	1.5614	2.3221	4.2641	257.3019	25.9200	39.0100	50.6600	1.9871		
12/09/2016	93.4782	0.8698	0.8495	1.7193	4.4836	257.0025	22.9700	39.3100	51.0900	1.7693		
13/09/2016	92.4529	0.6742	1.4067	2.0809	5.0702	259.1837	21.6900	39.4100	51.0300	1.6496		
14/09/2016	93.0951	0.7591	1.0630	1.8221	4.7018	259.0765	22.3200	39.3800	51.1000	2.4808		
15/09/2016	91.7070	0.5511	2.2708	2.8218	5.1102	262.0450	24.6500	39.1000	50.5400	13.5819		
16/09/2016	91.5616	0.5843	2.9011	3.4857	4.6468	259.4572	26.7000	38.6800	49.9900	6.7988		
17/09/2016	92.3553	0.6162	2.6716	3.2878	4.0330	259.4314	27.9500	38.5900	50.0100	0.0222		
18/09/2016	91.8114	0.6236	2.8843	3.5081	4.1739	259.5574	27.8800	38.6900	49.9700	0.0223		
19/09/2016	92.0325	0.6075	3.2783	3.8858	3.7822	258.9331	35.6900	38.2700	49.5500	0.0213		
20/09/2016	92.8070	0.7092	2.3834	3.0926	3.8248	258.7321	28.8700	38.5800	50.0600	10.5831		
21/09/2016	92.7398	0.6905	2.4104	3.1010	3.8638	258.7894	26.1600	38.6000	50.0800	14.4368		
22/09/2016	92.3287	0.6079	2.8680	3.4759	3.9108	258.5069	26.6000	38.4500	49.8500	15.5806		
23/09/2016	92.5106	0.6670	2.5872	3.2542	3.9432	258.3680	28.3700	38.5600	50.0000	13.5264		
24/09/2016	92.5016	0.7145	2.5112	3.2259	3.9927	258.5243	27.4300	38.5800	50.0000	12.6106		
25/09/2016	92.3975	0.7557	2.3926	3.1485	4.1506	258.4070	26.2000	38.6500	50.0700	12.9900		
26/09/2016	92.4481	0.7237	2.4340	3.1578	4.1161	258.4645	26.0500	38.6400	50.0700	14.6790		
27/09/2016	92.2417	0.6326	2.9064	3.5390	3.9275	258.6628	29.1400	38.4400	49.8000	14.3893		
28/09/2016	92.5064	0.6827	2.4944	3.1772	4.0347	258.1016	27.8600	38.6100	50.0500	12.9835		
29/09/2016	92.3220	0.6579	2.7660	3.4239	3.9677	258.3854	27.2400	38.4900	49.8900	14.1289		
30/09/2016	92.0355	0.6470	2.9017	3.5487	4.0938	258.4180	27.5200	38.5100	49.8500	3.8080		

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

Mínimo	91.5616	0.0334	0.0000	0.0334	0.0000	175.6510	21.6900	38.2700	49.5500	0.0213		
Promedio	92.9269	0.6682	2.0768	2.7450	4.0182	255.2838	26.1120	38.7847	50.3590	6.2119		
Máximo	99.9666	0.8698	3.2783	3.8858	5.1102	262.0450	35.6900	39.4100	51.5900	15.5806		
Desv. Est.	1.47100	0.14334	0.79808	0.82032	0.84626	15.32183	2.70576	0.32459	0.51101	5.87773		

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.
01/09/2016	99.9666	0.0334	0.0000	0.0334	0.0000	175.6510	26.0500	38.4400	51.5900	2.3715		
02/09/2016	93.2189	0.7710	1.9837	2.6906	4.0905	260.8455	26.5500	39.0200	51.6200	2.4436		
03/09/2016	93.4987	0.8747	1.9621	2.6903	4.1978	261.3882	26.7500	38.9700	50.6200	2.4706		
04/09/2016	93.7234	0.9240	1.5316	2.3919	4.4111	260.9780	25.7500	39.3100	51.0800	2.3805		
05/09/2016	93.7566	0.9857	1.3042	2.0514	4.6619	261.6516	23.5400	39.6300	51.4100	2.0021		
06/09/2016	94.1940	0.8574	1.3251	2.0882	4.6216	260.3640	47.0500	39.6900	51.4000	2.5877		
07/09/2016	93.6417	0.8187	1.6037	2.3282	4.7730	261.9190	48.9600	39.3000	50.9700	2.2724		
08/09/2016	93.2607	0.7453	2.3984	3.0457	5.0356	261.0809	28.2600	39.0700	50.6400	2.3805		
09/09/2016	92.8662	0.6996	3.2045	3.7500	5.5544	261.4672	26.8500	39.2200	50.5800	2.9031		
10/09/2016	92.8895	0.7111	3.2535	3.8251	4.1926	260.2391	30.0700	38.7800	50.3300	3.0833		
11/09/2016	94.2530	0.9388	2.5129	3.1795	4.7283	260.9986	27.7600	39.5800	51.4500	5.6873		
12/09/2016	93.7785	0.9442	1.4272	2.2043	4.7277	261.7073	24.5400	39.5600	51.4300	2.2994		
13/09/2016	93.6296	0.8820	4.5707	4.6692	5.7708	272.0975	25.0400	39.6400	51.4800	2.0561		
14/09/2016	94.3561	0.9084	4.5689	4.6684	5.7355	274.1099	43.8400	39.5500	51.4400	3.4167		
15/09/2016	95.6632	0.6374	4.5710	4.6703	6.5430	272.4590	30.0700	39.2700	51.1500	22.5098		
16/09/2016	93.6661	0.7598	4.7511	5.0412	7.0260	272.6776	28.9600	39.1700	50.5000	29.6912		
17/09/2016	93.1558	0.6930	4.5747	4.6739	5.7345	271.9510	29.9700	39.1600	50.7000	0.0828		
18/09/2016	92.4280	0.6691	4.5755	4.6761	5.7416	271.7300	35.4000	38.8800	50.1200	0.0828		
19/09/2016	92.4841	0.7072	5.3615	5.6979	5.7418	271.8198	42.2300	38.6800	50.0100	0.0558		
20/09/2016	94.1837	0.9119	4.5766	4.6772	5.7293	272.0381	32.7800	39.3200	51.2200	17.4730		
21/09/2016	93.5653	0.7560	4.5766	4.6766	5.7234	272.1988	52.3800	38.7900	50.4800	21.2754		
22/09/2016	93.0133	0.6395	4.5768	4.6764	5.7198	272.0047	44.9400	38.6300	50.1000	22.9964		
23/09/2016	93.1438	0.7603	4.5734	4.6753	5.7207	271.6743	29.6700	38.8500	50.4600	22.4918		
24/09/2016	92.7670	0.7608	4.5580	4.6647	5.7117	271.3872	29.6700	38.6600	50.1700	15.8061		
25/09/2016	92.6475	0.8017	4.5582	4.6649	5.7089	271.3747	44.7400	38.8100	50.3000	17.6712		
26/09/2016	92.7701	0.7710	4.3038	4.4774	5.5791	271.5486	38.4100	38.7800	50.3100	21.4556		
27/09/2016	92.5134	0.6687	4.5734	4.6720	5.7635	272.8604	31.2800	38.5900	49.9200	29.6912		
28/09/2016	92.8192	0.7451	4.5097	4.6282	5.6709	271.2636	31.3800	38.6900	50.2000	19.0498		
29/09/2016	92.7236	0.7081	4.5749	4.6763	5.7258	271.4500	28.2600	38.6000	50.0600	19.5995		
30/09/2016	92.4358	0.6985	4.5767	4.6771	5.8064	272.2640	29.1600	38.7900	50.1100	16.7161		

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Mínimo	92.4280	0.0334	0.0000	0.0334	0.0000	175.6510	23.5400	38.4400	49.9200	0.0558		
Promedio	93.5671	0.7594	3.5146	3.8514	5.2049	264.8400	33.0103	39.0477	50.7283	10.5001		
Máximo	99.9666	0.9857	5.3615	5.6979	7.0260	274.1099	52.3800	39.6900	51.6200	29.6912		
Desv. Est.	1.40707	0.16878	1.47791	1.27525	1.20177	17.66670	8.19424	0.37084	0.56443	10.03480		

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.
01/09/2016	99.9666	0.0334	0.0000	0.0334	0.0000	175.6510	23.2400	38.4400	51.5900	1.6236		
02/09/2016	93.0671	0.0000	0.0000	0.0000	0.0000	175.6020	23.2400	38.4400	50.3500	1.6056		
03/09/2016	93.1028	0.7006	1.4804	2.2856	3.8455	257.1895	24.2400	38.7400	50.3400	1.4795		
04/09/2016	93.2116	0.8236	0.8489	1.7199	4.0116	256.2889	22.2300	38.9100	50.5500	1.1821		
05/09/2016	92.8109	0.5813	0.2993	1.2751	4.3152	256.7528	21.3300	39.1700	50.9000	1.3083		
06/09/2016	92.8606	0.5887	0.9154	1.6212	3.7992	256.2302	12.8800	39.0500	50.7900	1.3894		
07/09/2016	92.7964	0.7131	1.1736	1.9795	3.8952	256.6563	15.8000	38.9700	50.6400	1.3623		
08/09/2016	91.7406	0.6410	1.6037	2.3282	3.9092	256.5373	24.1400	38.6400	50.1400	1.3894		
09/09/2016	91.2632	0.5376	2.1405	2.7985	3.9299	255.9772	23.7400	38.3600	49.6900	1.4975		
10/09/2016	91.8435	0.5492	2.1198	2.7994	3.7781	255.7639	25.7500	38.2900	49.6000	1.2722		
11/09/2016	92.4153	0.6091	0.3390	1.2335	4.0085	255.7684	23.6400	38.6100	50.0600	1.2092		
12/09/2016	93.1142	0.7771	0.2956	1.2373	4.3097	255.4862	21.8300	39.0800	50.7500	1.3263		
13/09/2016	89.2445	0.0985	0.4669	1.2838	4.6426	255.4994	20.5200	38.5800	49.5200	1.3083		
14/09/2016	89.2746	0.0988	0.3084	1.1910	3.9675	256.3105	19.7200	38.5800	49.5200	1.5515		
15/09/2016	89.2752	0.0993	0.7530	1.2962	2.7918	257.7523	21.4300	38.5800	49.5200	2.7860		
16/09/2016	88.6021	0.0986	1.6476	2.4033	3.6316	256.5672	24.3400	37.8300	48.8600	0.0433		
17/09/2016	89.2758	0.0992	1.7816	2.4542	3.5473	257.2805	25.5500	38.3500	49.5100	0.0433		
18/09/2016	89.2668	0.1007	2.7099	3.3460	3.8893	258.2604	25.7500	38.4700	49.5100	0.0433		
19/09/2016	89.2669	0.1003	2.7440	3.3809	3.5693	256.9929	28.6600	37.5100	48.3800	0.0433		
20/09/2016	89.2762	0.1006	0.4876	1.3995	3.6348	257.1678	26.2500	38.4100	49.5100	3.0978		
21/09/2016	89.2829	0.1000	1.6809	2.4370	3.7087	257.1188	24.4400	38.3900	49.5100	11.1837		
22/09/2016	89.2865	0.0996	2.4995	3.1212	3.5896	256.6194	15.7000	38.3300	49.5100	10.8503		
23/09/2016	89.2870	0.1019	1.8498	2.5748	3.7319	256.9432	26.5500	38.2700	49.5100	9.4988		
24/09/2016	89.3060	0.1066	2.2748	2.9858	3.8438	256.9459	26.1500	38.4300	49.5100	9.4537		
25/09/2016	89.3086	0.1067	2.0385	2.8356	4.0076	257.1162	18.5100	38.5600	49.5100	10.5800		
26/09/2016	89.6270	0.1736	2.0882	2.8196	3.8686	256.9565	24.0400	38.4400	49.6000	3.0888		
27/09/2016	89.2469	0.0986	2.6815	3.3480	3.7639	257.2274	26.3500	38.3500	49.5200	3.0978		
28/09/2016	89.3822	0.1185	2.1851	2.9220	3.9487	256.8396	25.9500	38.5000	49.5300	8.7239		
29/09/2016	89.2803	0.1014	2.4195	3.1197	3.8515	257.0316	26.3500	38.4100	49.5100	3.0888		
30/09/2016	89.2015	0.0981	2.5208	3.2087	3.9225	256.6031	25.9500	38.3300	49.5100	3.0888		

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Mínimo	88.6021	0.0000	0.0000	0.0000	0.0000	175.6020	12.8800	37.5100	48.3800	0.0433		
Promedio	90.8295	0.2819	1.4785	2.1813	3.5904	251.3045	23.1423	38.5007	49.8317	3.2739		
Máximo	99.9666	0.8236	2.7440	3.3809	4.6426	258.2604	28.6600	39.1700	51.5900	11.1837		
Desv. Est.	2.39206	0.27307	0.90458	0.94463	1.02216	20.58092	3.65156	0.33642	0.65736	3.58112		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE