

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.
01/02/2017	93.7230	0.8508	1.0393	1.8901	4.1114	256.3838	17.9500	39.1000	50.8900	1.2618		
02/02/2017	93.7252	0.9058	0.8670	1.7727	4.2482	255.0309	17.7600	39.1900	50.9800	1.0286		
03/02/2017	94.1592	0.9638	0.2560	1.2198	4.3615	255.0246	17.1800	39.4400	51.3600	0.8177		
04/02/2017	94.0282	0.8677	0.3296	1.1973	4.5008	255.0105	16.6800	39.5000	51.4300	0.7864		
05/02/2017	95.0959	0.7923	0.2859	1.0782	3.5757	254.6881	17.1200	39.2700	51.3800	0.7076		
06/02/2017	95.6814	0.7599	0.2781	1.0379	3.0318	255.0592	17.7600	39.1100	51.3100	0.6514		
07/02/2017	95.2583	0.6696	0.7583	1.4278	3.0632	256.3266	18.9100	38.9700	51.0700	0.7492		
08/02/2017	95.7813	0.6662	0.6731	1.3393	2.6389	258.6920	19.8400	38.8700	51.0600	1.2550		
09/02/2017	95.6748	0.7098	0.6014	1.3112	2.7770	257.3672	18.3000	38.9300	51.0900	10.0361		
10/02/2017	95.6466	0.7842	0.3539	1.1380	2.9909	256.1504	17.9200	39.0400	51.2200	11.4704		
11/02/2017	95.7951	0.7351	0.2736	1.0087	2.9674	255.3428	17.4300	39.1000	51.3200	11.7402		
12/02/2017	95.7378	0.7259	0.3023	1.0282	2.9897	255.3556	17.5700	39.1100	51.3200	11.1740		
13/02/2017	95.5563	0.7580	0.3125	1.0705	3.1331	255.3570	17.5600	39.1400	51.3000	11.5863		
14/02/2017	95.7665	0.7468	0.3038	1.0506	2.9269	254.8516	17.5200	39.0800	51.2900	11.0897		
15/02/2017	95.8249	0.7756	0.3194	1.0951	2.8744	255.1127	17.4100	39.0300	51.2400	10.9958		
16/02/2017	95.9874	0.7681	0.2840	1.0520	2.7198	255.5974	18.4400	39.0200	51.2500	10.0882		
17/02/2017	95.8554	0.7454	0.4451	1.1904	2.7011	256.2826	17.9100	38.9700	51.1600	11.6447		
18/02/2017	96.3148	0.7081	0.3031	1.0113	2.4559	260.2556	18.5800	38.9500	51.2500	19.8586		
19/02/2017	95.4697	0.7275	0.8149	1.5423	2.7253	259.3044	18.1300	38.8400	50.9200	20.0340		
20/02/2017	94.0703	0.6779	1.5241	2.2019	3.4041	257.8054	18.5500	38.8200	50.6200	21.5688		
21/02/2017	94.4702	0.6326	1.4132	2.0458	3.1515	258.5069	20.0700	38.8200	50.7000	21.5990		
22/02/2017	95.5040	0.7228	0.4054	1.1281	3.0778	257.0779	20.3200	39.1300	51.2700	11.4572		
23/02/2017	95.7102	0.7494	0.3312	1.0806	2.9407	256.0627	18.7500	39.0900	51.2600	9.4746		
24/02/2017	95.6451	0.7790	0.3131	1.0921	2.9659	255.9687	18.5700	39.1100	51.2700	9.4775		
25/02/2017	95.7078	0.7518	0.3166	1.0683	2.9556	255.9085	18.9300	39.0900	51.2800	9.9220		
26/02/2017	95.7337	0.7861	0.3225	1.1086	2.9052	256.1940	19.3800	39.0400	51.2400	10.0249		
27/02/2017	95.6673	0.7936	0.3223	1.1160	2.9665	256.8374	20.2100	39.0800	51.2500	10.0405		
28/02/2017	95.5749	0.7768	0.3660	1.1430	3.0130	257.1250	21.0000	39.0700	51.2200	9.6006		

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

Mínimo	93.7230	0.6326	0.2560	1.0087	2.4559	254.6881	16.6800	38.8200	50.6200	0.6514		
Promedio	95.3273	0.7618	0.5041	1.2659	3.1490	256.3814	18.4196	39.0682	51.1768	9.2907		
Máximo	96.3148	0.9638	1.5241	2.2019	4.5008	260.2556	21.0000	39.5000	51.4300	21.5990		
Desv. Est.	0.73222	0.07120	0.34378	0.32710	0.52994	1.44218	1.08924	0.15753	0.19679	6.47166		

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.
01/02/2017	94.3244	0.9825	1.4073	2.2035	4.4377	271.2524	19.0100	39.4000	51.2800	1.6687		
02/02/2017	94.1011	1.0256	1.5045	2.3356	4.5383	270.9841	18.9100	39.4600	51.3700	1.3443		
03/02/2017	94.3746	1.0146	0.4274	1.3668	4.5375	271.0162	18.2100	39.6300	51.4600	1.0199		
04/02/2017	94.5267	0.9788	0.5620	1.4697	4.8440	271.0850	17.8100	39.6200	51.5700	0.9388		
05/02/2017	95.5274	0.8272	0.4575	1.2008	4.2319	270.9682	35.4000	39.4700	51.4900	0.8217		
06/02/2017	95.8141	0.8006	0.4259	1.1706	3.2466	270.9026	18.5100	39.1600	51.3400	0.7947		
07/02/2017	95.7538	0.7642	1.7764	2.3494	3.4154	270.9502	19.7200	39.2300	51.3800	1.1190		
08/02/2017	96.5793	0.7476	1.4337	2.0705	3.3424	270.8388	21.3300	39.0500	51.3300	1.8759		
09/02/2017	95.9981	0.7940	1.0136	1.6974	3.0473	271.3522	19.4200	39.0400	51.1900	17.1576		
10/02/2017	95.8584	0.9151	0.9326	1.5832	3.3829	270.7841	19.2200	39.1600	51.3600	13.7697		
11/02/2017	95.9973	0.7921	0.3893	1.0682	3.1797	269.7179	18.7100	39.1600	51.3600	13.9229		
12/02/2017	96.0071	0.8158	0.3426	1.1310	3.2713	269.0728	19.0100	39.1600	51.3600	14.0310		
13/02/2017	95.8141	0.8074	0.3464	1.1165	3.3150	268.5172	18.6100	39.1800	51.3400	15.2745		
14/02/2017	95.9252	0.8008	0.3462	1.1075	3.1447	268.7311	18.2100	39.1700	51.3800	12.9588		
15/02/2017	95.9856	0.8072	0.4375	1.1949	3.1445	269.1786	18.3100	39.1500	51.2900	13.0489		
16/02/2017	96.0698	0.8065	0.3209	1.0893	2.8082	269.1816	19.3200	39.2500	51.3800	11.9946		
17/02/2017	96.2242	0.8045	1.4005	2.0382	2.9325	270.1167	18.9100	39.1400	51.3200	22.8883		
18/02/2017	97.0660	0.8169	0.6586	1.2903	2.8429	271.5638	26.0500	39.0300	51.3300	29.6912		
19/02/2017	96.2827	0.8902	1.8827	2.5069	3.0959	270.5982	19.0100	39.0400	51.2300	29.6912		
20/02/2017	95.0712	0.8178	2.4228	3.0175	3.5891	271.3604	19.9200	39.1600	51.1400	29.6912		
21/02/2017	95.9318	0.7521	2.4070	2.9699	3.5909	269.9963	21.4300	39.1400	51.2600	29.6912		
22/02/2017	95.8145	0.7939	1.3349	1.9478	3.4528	270.2350	21.7300	39.2800	51.4400	17.0135		
23/02/2017	95.8805	0.7802	0.3780	1.1195	3.1397	268.0533	19.8200	39.1400	51.3200	12.1749		
24/02/2017	95.8832	0.8411	0.3314	1.1461	3.2344	267.9001	19.9200	39.2500	51.3700	12.0397		
25/02/2017	95.8855	0.7967	0.9590	1.6134	3.3993	271.4426	20.1200	39.1700	51.3700	12.5713		
26/02/2017	95.8843	0.8300	1.2138	1.8357	3.5010	271.4702	20.2200	39.1100	51.2700	12.4992		
27/02/2017	95.8480	0.8334	3.3705	3.6534	4.9684	271.8093	21.0200	39.1800	51.3200	11.7153		
28/02/2017	95.7577	0.8115	3.9707	4.1619	5.3575	271.6365	22.3300	39.1300	51.2900	13.6255		

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Mínimo	94.1011	0.7476	0.3209	1.0682	2.8082	267.9001	17.8100	39.0300	51.1400	0.7947		
Promedio	95.7210	0.8374	1.1591	1.8377	3.6069	270.3827	20.3639	39.2164	51.3407	12.6798		
Máximo	97.0660	1.0256	3.9707	4.1619	5.3575	271.8093	35.4000	39.6300	51.5700	29.6912		
Desv. Est.	0.66860	0.07621	0.95426	0.82383	0.69506	1.14918	3.38907	0.15940	0.08700	9.37075		

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.
01/02/2017	93.4018	0.7774	0.3450	1.3276	3.8361	254.2838	16.9000	38.9200	50.6600	0.8397		
02/02/2017	93.2782	0.8031	0.2244	1.2145	4.0294	253.4367	16.7000	38.9300	50.5900	0.7046		
03/02/2017	93.9011	0.9303	0.2310	1.1762	4.1317	253.9736	15.9000	39.3500	51.2900	0.6505		
04/02/2017	93.5361	0.7698	0.2549	1.0605	4.1310	253.4029	15.4000	39.4300	51.2600	0.6235		
05/02/2017	94.2620	0.7433	0.2628	1.0362	3.1868	253.2738	16.1000	39.1500	51.3100	0.5334		
06/02/2017	95.3251	0.7234	0.2544	1.0054	2.9347	253.9396	16.6000	39.0900	51.2700	0.4883		
07/02/2017	94.4594	0.5368	0.2716	0.9634	2.8628	254.6994	18.0100	38.5800	50.4400	0.4973		
08/02/2017	94.3129	0.5884	0.2152	0.8708	2.2766	256.7242	18.2100	38.7200	50.6700	0.6956		
09/02/2017	95.0698	0.6533	0.4253	1.1288	2.6315	255.6993	16.9000	38.8000	50.8400	0.6956		
10/02/2017	95.1042	0.6507	0.2295	0.9849	2.7123	254.7678	16.8000	38.8600	50.9400	8.5166		
11/02/2017	95.5151	0.6749	0.2427	0.9571	2.8045	254.0969	12.1800	39.0300	51.2700	8.8410		
12/02/2017	95.3620	0.6645	0.2498	0.9393	2.8112	254.2088	16.3000	39.0600	51.2600	8.7959		
13/02/2017	95.3278	0.6993	0.2953	1.0099	2.9169	254.4059	16.5000	39.0700	51.2500	9.4537		
14/02/2017	95.5181	0.6734	0.2639	0.9769	2.7871	253.3088	16.7000	39.0200	51.2200	9.3095		
15/02/2017	95.4080	0.7528	0.2749	1.0312	2.7285	254.1611	16.5000	39.0100	51.2000	8.7239		
16/02/2017	95.7835	0.7494	0.2693	1.0240	2.6314	254.5573	17.1000	38.9800	51.2000	8.5076		
17/02/2017	95.0214	0.6377	0.2702	1.0198	2.3183	254.8858	16.8000	38.6400	50.6000	8.4175		
18/02/2017	95.8220	0.5643	0.2617	0.8424	1.8702	256.3951	17.4100	38.8400	51.0800	7.6606		
19/02/2017	94.2102	0.5929	0.2641	1.0780	2.2876	256.7440	17.4100	38.5600	50.3400	8.2733		
20/02/2017	93.1190	0.5486	0.5431	1.3568	3.0405	256.3723	17.6100	38.5500	50.1100	13.6526		
21/02/2017	93.3890	0.5467	0.4378	1.0901	2.6737	256.1939	18.7100	38.4900	50.1200	14.5806		
22/02/2017	94.4378	0.5968	0.2743	1.0062	2.8780	255.4295	18.8100	38.8700	50.7800	6.9758		
23/02/2017	95.5081	0.7116	0.2923	1.0311	2.7998	255.1001	17.2100	39.0300	51.2200	7.3002		
24/02/2017	95.2983	0.7496	0.2869	1.0486	2.7609	255.0203	17.2100	39.0200	51.2000	7.4444		
25/02/2017	94.7130	0.6544	0.2880	1.0060	2.7995	254.8439	17.5100	39.0300	51.0200	7.1020		
26/02/2017	94.3943	0.6219	0.2805	1.0692	2.7908	255.1480	18.3100	38.9800	50.8900	8.0391		
27/02/2017	91.0724	0.2830	0.2848	1.0712	2.8229	255.7766	19.0100	38.7300	50.0100	8.0210		
28/02/2017	90.1699	0.1912	0.2958	1.0674	2.9048	255.6648	19.3200	38.6600	49.7600	7.5795		

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Mínimo	90.1699	0.1912	0.2152	0.8424	1.8702	253.2738	12.1800	38.4900	49.7600	0.4883		
Promedio	94.3829	0.6461	0.2889	1.0498	2.9057	254.8755	17.0757	38.9071	50.8500	6.1758		
Máximo	95.8220	0.9303	0.5431	1.3568	4.1317	256.7440	19.3200	39.4300	51.3100	14.5806		
Dev. Est.	1.34013	0.14674	0.07079	0.11339	0.53743	1.03615	1.36044	0.23190	0.45514	4.21458		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE