



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.
01/11/2019	94.5878	0.8511	0.5731	1.4242	3.5132	256.5144	23.3400	39.3000	51.2000	0.4802		
02/11/2019	93.9727	0.7823	0.6460	1.4282	4.0852	256.0610	23.9400	39.4900	51.3300	0.8939		
03/11/2019	93.7707	0.8016	0.6816	1.4832	4.2729	255.7259	24.2900	39.5000	51.3000	0.4881		
04/11/2019	93.4132	0.8173	0.6545	1.4719	4.3940	257.1606	20.4600	39.7300	51.4400	0.1040		
05/11/2019	93.6745	0.7811	0.5956	1.3768	4.1897	258.2162	18.2100	39.7400	51.5000	0.6162		
06/11/2019	92.6203	0.8938	0.3108	1.2046	5.0303	260.9596	17.4300	40.3700	51.9100	1.3413		
07/11/2019	94.3694	0.8990	0.4855	1.3845	3.7659	260.3654	22.3800	39.4000	51.2800	1.0215		
08/11/2019	94.2842	0.8756	0.5593	1.4348	3.8321	258.0753	20.9800	39.3700	51.2400	0.7279		
09/11/2019	94.2729	0.8961	0.5416	1.4377	3.8278	257.0861	14.8600	39.3700	51.2400	1.1353		
10/11/2019	94.2193	0.9151	0.4974	1.4123	3.9405	256.6038	15.9700	39.4000	51.2500	1.1469		
11/11/2019	94.1681	0.8896	0.5400	1.4295	3.9338	255.9836	16.8900	39.4100	51.2600	1.0589		
12/11/2019	94.1640	0.8837	0.5525	1.4362	3.9809	255.1251	10.6000	39.3900	51.2500	1.4174		
13/11/2019	94.1618	0.9177	0.5005	1.4182	3.9562	255.7656	14.2400	39.4300	51.2700	1.5971		
14/11/2019	94.0075	0.8632	0.5385	1.4017	4.1451	255.6356	16.2100	39.4600	51.3100	1.5794		
15/11/2019	94.0272	0.8764	0.5184	1.3949	4.1542	255.1754	15.5600	39.4500	51.3000	1.5055		
16/11/2019	94.0274	0.8726	0.4961	1.3687	4.1440	255.3877	12.8300	39.4800	51.3400	1.1599		
17/11/2019	94.3083	0.8783	0.5487	1.4271	3.8256	255.9003	13.1500	39.3600	51.2400	0.8787		
18/11/2019	94.4184	0.8643	0.5964	1.4607	3.7089	255.7189	13.2400	39.2900	51.1800	0.8083		
19/11/2019	94.4476	0.7995	0.6265	1.4260	3.7515	255.1800	16.7800	39.2900	51.2300	0.7819		
20/11/2019	94.3104	0.8623	0.5562	1.4185	3.9001	254.7973	13.4200	39.3300	51.2400	1.8630		
21/11/2019	94.3104	0.8623	0.5562	1.4185	3.9001	254.7973	13.4200	39.3300	51.2400	1.8630		
22/11/2019	94.3507	0.9149	0.5101	1.4250	3.8228	255.0569	14.4100	39.3400	51.2300	1.9587		
23/11/2019	94.4815	0.9237	0.5166	1.4403	3.6656	255.9889	17.0200	39.2900	51.2000	0.8738		
24/11/2019	94.2879	0.9716	0.4566	1.4282	3.8340	256.6244	21.6400	39.3600	51.2200	0.9130		
25/11/2019	94.3317	0.9600	0.4576	1.4176	3.8078	256.9757	25.0100	39.3700	51.2300	0.9797		
26/11/2019	94.0839	0.8960	0.5172	1.4132	4.0745	256.7397	26.8300	39.4300	51.2900	1.4795		
27/11/2019	94.2586	0.9113	0.5743	1.4857	3.8221	256.5066	26.4500	39.3300	51.1900	1.8168		
28/11/2019	94.3125	0.8643	0.6201	1.4844	3.6889	256.7272	23.5900	39.3500	51.2100	1.7664		
29/11/2019	94.5118	0.8235	0.6082	1.4317	3.5648	256.5943	26.0200	39.3200	51.2200	1.2962		
30/11/2019	94.4827	0.8191	0.5792	1.3983	3.6326	256.7884	24.7200	39.3600	51.2500	1.1807		

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

Mínimo	92.6203	0.7811	0.3108	1.2046	3.5132	254.7973	10.6000	39.2900	51.1800	0.1040		
Promedio	94.1546	0.8722	0.5472	1.4194	3.9388	256.4746	18.7963	39.4347	51.2863	1.1578		
Máximo	94.5878	0.9716	0.6816	1.4857	5.0303	260.9596	26.8300	40.3700	51.9100	1.9587		
Desv. Est.	0.38667	0.04772	0.07182	0.04990	0.29423	1.43301	4.89468	0.20703	0.13637	0.46480		

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.
01/11/2019	94.9317	1.0434	0.6426	1.5034	3.8102	257.8313	31.8800	39.8100	51.5000	0.6235		
02/11/2019	94.6812	0.8607	0.6763	1.5042	4.4476	258.8640	28.3600	39.6200	51.4900	1.7137		
03/11/2019	93.9534	0.8518	0.6984	1.5380	4.4916	256.8071	29.4700	39.6100	51.4000	0.9569		
04/11/2019	93.8955	0.9475	0.6863	1.5373	4.9636	259.6738	30.4700	40.3100	51.7800	0.2901		
05/11/2019	94.7530	0.8546	0.6942	1.5006	4.7591	259.4293	23.6400	40.0200	51.7200	0.8758		
06/11/2019	93.5492	1.0683	0.4781	1.4374	5.5756	262.8271	23.4400	41.7600	52.7700	2.0742		
07/11/2019	94.5500	0.9640	0.6032	1.4548	4.6255	262.4919	46.2500	39.7200	51.4700	1.3713		
08/11/2019	94.5614	0.9599	0.6104	1.5005	4.0343	260.4017	29.2700	39.4500	51.3100	1.1190		
09/11/2019	94.5572	0.9934	0.6092	1.5057	4.3509	259.7799	19.5200	39.5100	51.3600	1.6597		
10/11/2019	94.2894	0.9632	0.5500	1.4686	4.0039	257.6271	40.1200	39.4400	51.3000	1.6146		
11/11/2019	94.3458	0.9569	0.5767	1.4964	4.1427	257.7161	22.2300	39.7500	51.5100	1.8219		
12/11/2019	94.3480	0.9944	0.6207	1.5243	4.2236	256.1343	15.6000	39.5100	51.3300	1.9931		
13/11/2019	94.3795	1.0173	0.5791	1.4739	4.2333	257.1818	19.5200	39.5100	51.3400	2.3895		
14/11/2019	94.1699	0.9842	0.5615	1.4962	4.3085	256.9025	21.3300	39.5000	51.3700	2.1552		
15/11/2019	94.1616	0.9465	0.5361	1.4634	4.2698	256.2304	20.1200	39.4900	51.3600	2.1012		
16/11/2019	94.2282	0.9502	0.5693	1.4272	4.3060	256.4134	19.0100	39.7700	51.4900	1.5606		
17/11/2019	94.6382	0.9733	0.5922	1.5095	4.2676	256.8083	17.7100	39.5100	51.3800	1.1190		
18/11/2019	94.7058	0.9441	0.6335	1.5274	3.8899	256.7737	17.6100	39.3700	51.2700	1.0560		
19/11/2019	94.5652	0.8399	0.6573	1.4721	3.8745	256.9479	22.3300	39.3500	51.2700	1.0109		
20/11/2019	94.4584	0.9343	0.6621	1.5050	4.0732	255.8199	25.4500	39.4000	51.2800	2.5157		
21/11/2019	94.4584	0.9343	0.6621	1.5050	4.0732	255.8199	25.4500	39.4000	51.2800	2.5157		
22/11/2019	94.4922	1.0082	0.5571	1.5296	3.9598	256.5190	19.2200	39.3800	51.2600	3.3536		
23/11/2019	94.6562	1.0279	0.5703	1.5328	3.8749	256.8070	24.4400	39.3600	51.2300	1.5876		
24/11/2019	94.4586	1.0901	0.5133	1.5307	4.0635	257.5348	27.9600	39.4400	51.3000	1.3804		
25/11/2019	94.5021	1.0433	0.4982	1.4971	3.9524	259.6302	53.6900	39.4300	51.3000	1.5425		
26/11/2019	94.5012	0.9790	0.5982	1.4947	4.3811	257.8103	33.5900	39.5400	51.3700	2.3985		
27/11/2019	94.6612	1.0114	0.6388	1.5576	4.1872	257.3432	40.5200	39.4600	51.3000	2.3535		
28/11/2019	94.5879	0.9804	0.6913	1.5936	4.0411	257.7374	33.1800	39.4100	51.2600	2.6418		
29/11/2019	94.7571	0.8694	0.6402	1.4921	3.7450	257.3858	39.3200	39.3800	51.2600	2.1643		
30/11/2019	94.5926	0.8676	0.6279	1.4564	3.7137	257.8865	35.3000	39.4400	51.3100	1.5515		

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Mínimo	93.5492	0.8399	0.4781	1.4272	3.7137	255.8199	15.6000	39.3500	51.2300	0.2901		
Promedio	94.4463	0.9620	0.6078	1.5012	4.2214	257.9045	27.8667	39.6217	51.4190	1.7170		
Máximo	94.9317	1.0901	0.6984	1.5936	5.5756	262.8271	53.6900	41.7600	52.7700	3.3536		
Desv. Est.	0.28656	0.06566	0.05939	0.03542	0.38769	1.77492	9.22432	0.45615	0.28626	0.67974		

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.
01/11/2019	93.8882	0.7698	0.3607	1.3231	3.1231	255.6862	20.4200	39.2000	51.1200	0.2090		
02/11/2019	93.5896	0.7156	0.5780	1.2936	3.4519	255.0302	14.3900	39.2500	51.1700	0.3171		
03/11/2019	93.5515	0.7711	0.6567	1.4441	4.1184	254.6091	21.8300	39.4100	51.2500	0.0828		
04/11/2019	92.5112	0.7645	0.5898	1.4156	4.0736	255.2163	15.2000	39.4400	51.2600	0.0828		
05/11/2019	92.9227	0.6926	0.4485	1.1736	3.3410	257.0907	15.5000	39.3000	51.2600	0.2180		
06/11/2019	90.7825	0.7165	0.1960	1.0035	4.2030	258.1311	14.3900	39.7200	51.4200	0.3802		
07/11/2019	93.5022	0.8367	0.3588	1.1973	3.5440	258.7919	18.8100	39.3200	51.2200	0.6775		
08/11/2019	94.0643	0.8234	0.5137	1.3573	3.5073	256.7917	16.6000	39.2500	51.1200	0.3802		
09/11/2019	93.7937	0.8162	0.5072	1.3794	3.5126	256.1854	12.3800	39.2300	51.1000	0.6775		
10/11/2019	94.1651	0.8438	0.4484	1.3723	3.8737	255.6431	13.6900	39.3500	51.2000	0.8397		
11/11/2019	93.8662	0.8030	0.4961	1.3611	3.7333	254.5111	13.5900	39.3500	51.1800	0.4883		
12/11/2019	93.8998	0.7938	0.4924	1.3812	3.7693	253.7435	7.5600	39.3100	51.1600	0.5063		
13/11/2019	93.9293	0.8259	0.4287	1.3780	3.7184	254.8672	9.8700	39.3500	51.2200	1.1010		
14/11/2019	93.8283	0.8104	0.4956	1.3586	3.9993	254.7440	14.2900	39.4000	51.2300	1.1461		
15/11/2019	93.8871	0.8366	0.5042	1.3492	4.0248	254.1543	13.0800	39.4100	51.2500	1.0650		
16/11/2019	93.5231	0.8121	0.4553	1.3078	4.0102	254.5064	10.0700	39.4100	51.2600	0.8037		
17/11/2019	93.8915	0.7796	0.4991	1.3407	3.4922	255.1851	11.0700	39.2300	51.1000	0.5874		
18/11/2019	94.2403	0.7886	0.5618	1.4104	3.4346	254.7306	10.7700	39.1700	51.0900	0.5334		
19/11/2019	94.3057	0.7747	0.5907	1.3842	3.6302	254.2742	12.9800	39.2500	51.1700	0.5784		
20/11/2019	94.0837	0.7783	0.5299	1.3774	3.7430	253.9960	10.6700	39.2600	51.1500	0.5874		
21/11/2019	94.0837	0.7783	0.5299	1.3774	3.7430	253.9960	10.6700	39.2600	51.1500	0.5874		
22/11/2019	94.1803	0.8486	0.4597	1.3698	3.6594	253.6242	11.6800	39.2900	51.1300	0.8037		
23/11/2019	94.2655	0.8614	0.4734	1.3898	3.4663	255.1341	13.9900	39.2600	51.1000	0.4252		
24/11/2019	94.0946	0.9111	0.4233	1.3715	3.6938	255.8246	19.0100	39.3200	51.1300	0.5153		
25/11/2019	94.2038	0.8779	0.4075	1.3349	3.6751	256.0743	21.0200	39.3100	51.1400	0.5244		
26/11/2019	93.6974	0.8443	0.4569	1.3416	3.7175	255.7232	23.1300	39.3100	51.1700	0.6685		
27/11/2019	93.9066	0.8439	0.5207	1.4004	3.3732	255.5947	19.6200	39.1500	51.0300	1.0560		
28/11/2019	94.0570	0.8041	0.5539	1.4433	3.3669	255.8718	14.1900	39.1700	51.0400	1.1461		
29/11/2019	94.3028	0.7882	0.5826	1.3926	3.3287	255.7267	23.4400	39.2300	51.1400	0.7767		
30/11/2019	94.3506	0.7944	0.5624	1.3736	3.5506	255.8041	19.3200	39.2900	51.2000	0.8217		

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Mínimo	90.7825	0.6926	0.1960	1.0035	3.1231	253.6242	7.5600	39.1500	51.0300	0.0828		
Promedio	93.7789	0.8035	0.4894	1.3468	3.6626	255.3754	15.1077	39.3067	51.1720	0.6196		
Máximo	94.3506	0.9111	0.6567	1.4441	4.2030	258.7919	23.4400	39.7200	51.4200	1.1461		
Desv. Est.	0.69278	0.04749	0.08835	0.08693	0.26462	1.20476	4.28226	0.10877	0.07845	0.29817		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.