

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**

(Valores promedio diarios)



<b>PERMISIONARIO:</b>	<b>TERMINAL KMS DE GNL S. DE R.L DE C.V</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>ESTACION DE MEDICION MANZANILLO</b>
<b>ZONA DE MEDICIÓN:</b>	<b>RESTO DEL PAÍS</b>

FECHA: (dd/mm/aa)	Metano (% vol)	Bióxido de Carbono (% vol)	Nitrógeno (% vol)	Total Inertes (% vol)	Etano (% vol)	Temperatura de Rocío (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)
01/10/2015	89.9509	0.0000	0.3308	0.3308	9.5708	214.5869	2.7386	40.4991	52.0841	0.0000	0.0000	0.0000
02/10/2015	89.9786	0.0000	0.3195	0.3195	9.5485	215.4274	2.8257	40.5006	52.0899	0.0000		
03/10/2015	90.0043	0.0000	0.3104	0.3104	9.5240	214.1199	2.6085	40.5019	52.0949	0.0000		
04/10/2015	90.0257	0.0000	0.4467	0.4467	9.3820	213.6411	2.8011	40.3997	51.9741	0.0000		
05/10/2015	89.8829	0.0000	0.5134	0.5134	9.4964	215.7254	2.8442	40.3837	51.9389	0.0000		
06/10/2015	89.8960	0.0000	0.4928	0.4928	9.4977	213.6771	2.7189	40.3956	51.9521	0.0000		
07/10/2015	89.9382	0.0000	0.4330	0.4330	9.4939	214.0365	2.8095	40.4310	51.9991	0.0000		
08/10/2015	90.6855	0.0000	0.3064	0.3064	8.6820	215.9647	3.5058	40.3577	52.0152	0.0000		
09/10/2015	90.6136	0.0000	0.3660	0.3660	8.7272	214.7271	3.4721	40.3375	51.9775	0.0000		
10/10/2015	89.9370	0.0000	0.4754	0.4754	9.4705	214.4134	2.8724	40.3966	51.9619	0.0000		
11/10/2015	90.1194	0.0000	0.6001	0.6001	9.1583	214.4384	4.2176	40.2668	51.8666	0.0000		
12/10/2015	90.1560	0.0000	0.6086	0.6086	9.1103	213.0183	3.3823	40.2484	51.8241	0.0000		
13/10/2015	90.0881	0.0000	0.4182	0.4182	9.3326	218.9438	2.8811	40.4075	51.9930	0.0000		
14/10/2015	90.5567	0.0000	0.3527	0.3527	8.8084	215.1169	3.5005	40.3593	51.9954	0.0000		
15/10/2015	91.0100	0.0000	0.2547	0.2547	8.3299	215.6105	3.7966	40.3376	52.0283	0.0000		
16/10/2015	91.0083	0.0000	0.2530	0.2530	8.3318	216.8575	3.9233	40.3398	52.0290	0.0000		
17/10/2015	91.0077	0.0000	0.2412	0.2412	8.3428	214.6943	3.9345	40.3484	52.0396	0.0000		
18/10/2015	91.0232	0.0000	0.2439	0.2439	8.3230	215.2596	3.7651	40.3429	52.0352	0.0000		
19/10/2015	91.0250	0.0000	0.2421	0.2421	8.3224	215.6902	3.8971	40.3434	52.0371	0.0000		
20/10/2015	90.9947	0.0000	0.2327	0.2327	8.3640	214.9807	3.6625	40.3573	52.0485	0.0000		
21/10/2015	90.7287	0.0000	0.3051	0.3051	8.6227	214.5878	3.4916	40.3630	52.0172	0.0000		
22/10/2015	90.1788	0.0000	0.4669	0.4669	9.1561	216.7488	3.0672	40.3616	51.9469	0.0000		
23/10/2015	90.4387	0.0000	0.3675	0.3675	8.9259	214.8376	3.4038	40.3781	52.0007	0.0000		
24/10/2015	90.4955	0.0003	0.4476	0.4476	8.7923	217.0366	3.1123	40.3098	51.8815	0.0000		
25/10/2015	90.5071	0.0000	0.3967	0.3967	8.8307	214.3565	3.2435	40.3378	51.9611	0.0000		
26/10/2015	90.5296	0.0000	0.4013	0.4013	8.8019	215.7493	3.4483	40.3288	51.9310	0.0000		
27/10/2015	90.5218	0.0000	0.3885	0.3885	8.8196	215.1665	3.4050	40.3408	51.9695	0.0000		
28/10/2015	90.3436	0.0000	0.4226	0.4226	8.9931	214.6788	3.7217	40.3600	51.9636	0.0000		
29/10/2015	90.0588	0.0000	0.5562	0.5562	9.1989	217.6273	3.4327	40.3318	51.8876	0.0000		
30/10/2015	90.0356	0.0000	0.5046	0.5046	9.2665	214.6890	3.8869	40.3771	51.9376	0.0000		
31/10/2015	90.0268	0.0000	0.4308	0.4308	9.3476	215.0000	3.3019	40.4280	51.9990	0.0000		

\* / 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>	89.8829	0.0000	0.2327	0.2327	8.3224	213.0183	2.6085	40.2484	51.8241	0.0000		
<b>Promedio</b>	90.3796	0.0000	0.3913	0.3913	8.9862	215.2067	3.3443	40.3701	51.9832	0.0000		
<b>Máximo</b>	91.0250	0.0003	0.6086	0.6086	9.5708	218.9438	4.2176	40.5019	52.0949	0.0000		
<b>Desv. Est.</b>	0.4019043	5.4258E-05	0.10682966	0.10682966	0.43040441	1.23804144	0.43843444	0.0582653	0.06416756	0		

**Observaciones:**

- \* Derivado de falla en bomba de agua de mar el día 04 se detuvo la medición de calidad exclusivamente para las 21:00hrs.
- \* Los días 11, 12 y 13 se realiza paro de terminal por motivos de mantenimientos programados, de lo cual se presentarán diversos eventos de "paro" y "reanudación" de manera intermitente.
- \* Dada la presencia del meteoro "Patricia" se suspende envío de gas natural a C.T. Manzanillo el día 23 apartir de las 19:00hrs, reanudando hasta el día 24 a las 10:00hrs.
- \* El día 25 para la hora 07:00 se registran 2 mediciones de calidad derivado del cambio de horario de invierno (termina horario de verano).
- \* El día 28 se

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**(Registros máximos diarios)**



<b>PERMISIONARIO:</b>	<b>TERMINAL KMS DE GNL S. DE R.L DE C.V</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>ESTACION DE MEDICION MANZANILLO</b>
<b>ZONA DE MEDICIÓN:</b>	<b>RESTO DEL PAÍS</b>

FECHA: (dd/mm/aa)	Metano (% vol)	Bióxido de Carbono (% vol)	Nitrógeno (% vol)	Total Inertes (% vol)	Etano (% vol)	Temperatura de Rocío (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> )
01/10/2015	89.9152	0.0000	0.3395	0.3395	9.5950	227.6819	3.6522	40.5025	52.0979	0.0000
02/10/2015	89.9652	0.0000	0.3251	0.3251	9.5530	243.6912	3.6561	40.5041	52.0999	0.0000
03/10/2015	89.9642	0.0000	0.3229	0.3229	9.5415	215.0925	3.7134	40.5081	52.1005	0.0000
04/10/2015	89.7914	0.0000	0.6149	0.6149	9.3784	214.3621	4.7733	40.4956	52.0963	0.0000
05/10/2015	89.7942	0.0000	0.5411	0.5411	9.5555	235.5868	3.6477	40.4144	51.9648	0.0000
06/10/2015	89.8228	0.0000	0.5130	0.5130	9.5450	215.8659	3.5089	40.4310	51.9881	0.0000
07/10/2015	89.8425	0.0000	0.4508	0.4508	9.5118	216.4897	3.6154	40.4374	52.0122	0.0000
08/10/2015	89.4799	0.0000	0.3665	0.3665	9.6706	235.0593	4.5467	40.4066	52.0251	0.0000
09/10/2015	89.6846	0.0000	0.5147	0.5147	9.3051	231.7160	5.1395	40.4008	52.0297	0.0000
10/10/2015	89.8787	0.0000	0.5088	0.5088	9.4924	223.2173	4.0149	40.4148	51.9820	0.0000
11/10/2015	89.4234	0.6070	0.6103	0.6103	9.2355	240.3681	32.1074	40.3533	51.9111	0.0000
12/10/2015	90.1555	0.0000	0.6087	0.6087	9.1105	215.3671	4.2303	40.2487	51.8274	0.0000
13/10/2015	89.8845	0.0000	0.5669	0.5669	9.3620	246.1731	3.7748	40.4302	52.0250	0.0000
14/10/2015	90.0203	0.0000	0.4009	0.4009	9.1967	234.9610	4.2768	40.4302	52.0246	0.0000
15/10/2015	90.9308	0.0000	0.2706	0.2706	8.3885	231.3856	4.6852	40.3446	52.0377	0.0000
16/10/2015	90.9543	0.0000	0.2768	0.2768	8.3579	232.3221	4.9337	40.3518	52.0452	0.0000
17/10/2015	90.9858	0.0000	0.2427	0.2427	8.3615	216.4428	4.7301	40.3543	52.0448	0.0000
18/10/2015	91.0001	0.0000	0.2505	0.2505	8.3371	228.3532	5.0348	40.3519	52.0472	0.0000
19/10/2015	91.0077	0.0000	0.2445	0.2445	8.3334	234.9223	4.8820	40.3504	52.0448	0.0000
20/10/2015	90.9601	0.0000	0.2401	0.2401	8.3841	224.2211	4.6975	40.3672	52.0585	0.0000
21/10/2015	90.0384	0.0000	0.4798	0.4798	9.0691	220.1841	4.9565	40.3774	52.0672	0.0000
22/10/2015	90.0608	0.0000	0.4988	0.4988	9.2122	242.0015	3.9823	40.3684	51.9740	0.0000
23/10/2015	90.2838	0.0000	0.4225	0.4225	9.0199	226.5226	4.2158	40.3826	52.0105	0.0000
24/10/2015	90.3474	0.0009	0.5044	0.5044	8.8745	237.3443	4.0803	40.3655	51.9869	0.0000
25/10/2015	90.3768	0.0000	0.5150	0.5150	8.8411	226.6322	4.1992	40.3506	51.9792	0.0000
26/10/2015	90.4673	0.0000	0.4225	0.4225	8.8421	256.9793	4.4896	40.3570	52.0157	0.0000
27/10/2015	90.4633	0.0000	0.4144	0.4144	8.8498	243.1803	4.3159	40.3585	51.9926	0.0000
28/10/2015	89.9999	0.0000	0.5469	0.5469	9.1775	232.9335	5.8790	40.4361	52.0644	0.0000
29/10/2015	89.9648	0.0000	0.5916	0.5916	9.2235	279.9255	5.8849	40.3431	51.9112	0.0000
30/10/2015	89.9436	0.0000	0.5523	0.5523	9.3090	227.7084	6.1990	40.4062	51.9788	0.0000
31/10/2015	89.9557	0.0000	0.4726	0.4726	9.3756	236.0818	5.3927	40.4500	52.0314	0.0000
<b>Máximo</b>	91.0077	0.6070	0.6149	0.6149	9.6706	279.9255	32.1074	40.5081	52.1005	0.0000

Observaciones: \* Para el día 29 la Temperatura de rocío sale de especificación exclusivamente a las 17:00hrs, ello por motivo de intervención al analizador de humedad el cual recibió servicio de mantenimiento.

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**(Registros mínimos diarios)**



**PERMISIONARIO:** **TERMINAL KMS DE GNL S. DE R.L DE C.V**  
**PUNTO DE MEDICIÓN:** **ESTACION DE MEDICION MANZANILLO**  
**ZONA DE MEDICIÓN:** **RESTO DEL PAÍS**

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> )
01/10/2015	89.9685	0.0000	0.3258	0.3258	9.5623	213.9652	1.4081	40.4964	52.0787	0.0000
02/10/2015	89.9951	0.0000	0.3165	0.3165	9.5381	213.9714	1.5391	40.4971	52.0848	0.0000
03/10/2015	90.0587	0.0000	0.3057	0.3057	9.4790	214.0098	1.4655	40.4852	52.0876	0.0000
04/10/2015	90.9514	0.0000	0.2984	0.2984	8.6429	212.8948	1.5030	40.2372	51.8144	0.0000
05/10/2015	89.9669	0.0000	0.4877	0.4877	9.4392	213.2453	1.6054	40.3537	51.9070	0.0000
06/10/2015	89.9613	0.0000	0.4551	0.4551	9.4740	213.3471	1.6220	40.3790	51.9275	0.0000
07/10/2015	90.2303	0.0000	0.3862	0.3862	9.2632	213.5993	1.6949	40.4113	51.9803	0.0000
08/10/2015	91.5379	0.0000	0.2333	0.2333	8.0153	213.8853	2.2552	40.2805	52.0042	0.0000
09/10/2015	91.6633	0.0000	0.2120	0.2120	8.0085	213.3260	1.8135	40.2736	51.9207	0.0000
10/10/2015	90.0364	0.0000	0.4567	0.4567	9.3926	213.2578	1.5959	40.3594	51.9167	0.0000
11/10/2015	90.2055	0.0000	0.5468	0.5468	9.1309	212.6912	1.8955	40.2474	51.7960	0.0000
12/10/2015	90.1564	0.0000	0.6085	0.6085	9.1101	212.7050	1.7430	40.2480	51.8053	0.0000
13/10/2015	90.2908	0.0000	0.3743	0.3743	9.2063	212.7986	1.8342	40.2887	51.8238	0.0000
14/10/2015	91.0882	0.0000	0.2784	0.2784	8.4452	213.7081	2.1789	40.3016	51.9706	0.0000
15/10/2015	91.0484	0.0000	0.2478	0.2478	8.3175	214.3982	2.4961	40.3332	52.0212	0.0000
16/10/2015	91.0674	0.0000	0.2423	0.2423	8.2862	214.3525	2.6476	40.3148	52.0035	0.0000
17/10/2015	91.0203	0.0000	0.2389	0.2389	8.3354	214.4672	3.0477	40.3454	52.0331	0.0000
18/10/2015	91.0462	0.0000	0.2362	0.2362	8.3104	214.4398	2.8774	40.3347	52.0264	0.0000
19/10/2015	91.0376	0.0000	0.2361	0.2361	8.3170	214.4568	2.5255	40.3401	52.0321	0.0000
20/10/2015	91.0402	0.0000	0.2274	0.2274	8.3270	214.4641	2.7379	40.3423	52.0351	0.0000
21/10/2015	91.1511	0.0000	0.2053	0.2053	8.4482	213.6460	1.6559	40.3494	51.9311	0.0000
22/10/2015	90.3194	0.0000	0.4233	0.4233	9.0784	213.6204	1.9737	40.3569	51.9303	0.0000
23/10/2015	90.4945	0.0000	0.3566	0.3566	8.9184	213.8141	2.1732	40.3638	51.9686	0.0000
24/10/2015	90.6326	0.0000	0.3765	0.3765	8.7426	213.3081	2.2047	40.2742	51.8582	0.0000
25/10/2015	90.6331	0.0000	0.3813	0.3813	8.7355	213.4035	2.0942	40.2509	51.8597	0.0000
26/10/2015	90.6049	0.0000	0.3701	0.3701	8.7608	213.4211	2.1503	40.3062	51.3983	0.0000
27/10/2015	90.5744	0.0000	0.3744	0.3744	8.7832	213.6853	2.2976	40.3226	51.9431	0.0000
28/10/2015	90.6372	0.0000	0.2871	0.2871	8.9155	213.3855	2.1956	40.3225	51.8832	0.0000
29/10/2015	90.1808	0.0000	0.5121	0.5121	9.1469	213.3945	1.7452	40.3157	51.8636	0.0000
30/10/2015	90.1240	0.0000	0.4657	0.4657	9.2188	213.7493	2.1773	40.3436	51.8958	0.0000
31/10/2015	90.1005	0.0000	0.4021	0.4021	9.3036	213.9427	1.6443	40.3965	51.9595	0.0000
<b>Mínimo</b>	89.9613	0.0000	0.2053	0.2053	8.0085	212.6912	1.4081	40.2372	51.3983	0.0000

Observaciones: \* Sin observaciones.