

## INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

PERMISIONARIO: TRACTEBEL DIGAQRO, S.A. de C.V.  
 PUNTO DE MEDICIÓN: La Lira  
 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.
01/10/2017	96.1105	0.6603	0.3392	0.9995	2.6749	250.2603	24.9700	38.3203	50.3938	0.6601	<10.8	0.00
02/10/2017	96.0783	0.6791	0.3770	1.0561	2.6405	249.8116	26.2600	38.2928	50.3474	0.5905		
03/10/2017	96.3879	0.6800	0.3139	0.9939	2.4323	250.3569	27.5200	38.2311	50.3408	0.6978		
04/10/2017	96.4111	0.6805	0.2942	0.9747	2.4384	249.9675	28.0900	38.2322	50.3502	0.7003		
05/10/2017	96.2814	0.7023	0.2813	0.9836	2.5411	251.1410	27.6600	38.2709	50.3629	0.7795		
06/10/2017	96.4910	0.6890	0.2765	0.9655	2.3821	250.6854	26.5300	38.2095	50.3396	0.6671		
07/10/2017	96.5951	0.6830	0.2829	0.9659	2.2631	250.1894	26.0800	38.1866	50.3277	0.7488		
08/10/2017	96.7547	0.7238	0.3154	1.0392	2.0292	250.9501	27.6500	38.0922	50.2298	0.6861		
09/10/2017	96.9856	0.6995	0.2714	0.9709	1.8949	250.9939	29.5900	38.0618	50.2499	0.7525		
10/10/2017	96.9808	0.7081	0.2427	0.9508	1.9095	251.2432	29.8000	38.0816	50.2685	0.7314		
11/10/2017	96.8549	0.7056	0.2654	0.9711	1.9990	251.2252	28.4800	38.1111	50.2765	0.7015		
12/10/2017	96.8244	0.7157	0.2525	0.9682	2.0489	250.5321	28.1300	38.1134	50.2768	0.6546		
13/10/2017	96.7968	0.6820	0.2853	0.9673	2.0615	251.1471	27.5900	38.1288	50.2941	0.6129		
14/10/2017	96.6148	0.7091	0.3109	1.0200	2.1694	251.9008	21.1100	38.1548	50.2779	0.2649		
15/10/2017	96.5962	0.7132	0.3231	1.0363	2.1564	252.4966	27.5500	38.1553	50.2696	0.7211		
16/10/2017	96.6760	0.7064	0.3081	1.0145	2.1196	253.7060	27.5400	38.1409	50.2732	0.6009		
17/10/2017	96.6253	0.6998	0.3101	1.0099	2.1294	253.2126	26.2900	38.1300	50.2600	0.0656		
18/10/2017	96.7679	0.7020	0.3163	1.0184	2.0340	250.8704	25.7700	38.0800	50.2200	0.0128		
19/10/2017	96.7105	0.7017	0.3092	1.0109	2.0912	251.8535	26.7100	38.0900	50.2300	0.0199		
20/10/2017	96.5268	0.6909	0.3512	1.0421	2.2265	254.3680	29.6400	38.1300	50.2400	0.0204		
21/10/2017	96.5576	0.6840	0.3358	1.0199	2.2224	251.7302	29.6700	38.1500	50.2600	0.0217		
22/10/2017	96.7155	0.6761	0.3011	0.9772	2.1068	250.1264	27.7300	38.1200	50.2500	0.0165		
23/10/2017	96.6991	0.6900	0.3025	0.9925	2.1226	250.4353	25.3600	38.1000	50.2500	0.0205		
24/10/2017	96.6427	0.7078	0.3067	1.0145	2.1497	250.8766	23.6600	38.1200	50.2500	0.0210		
25/10/2017	96.7684	0.7252	0.2965	1.0217	2.0259	253.5257	12.8800	38.0800	50.2200	0.0210		
26/10/2017	96.8318	0.7206	0.2957	1.0163	1.9808	253.5657	24.9600	38.0869	50.2380	0.1043		
27/10/2017	96.7254	0.8145	0.3401	1.1546	1.9415	244.9833	25.7300	38.0230	50.1149	0.5548		
28/10/2017	96.7710	0.8545	0.3021	1.1566	1.8906	247.4993	26.8900	38.0099	50.0968	0.5914		
29/10/2017	96.7520	0.9036	0.3298	1.2334	1.8321	248.9084	28.4600	37.9664	50.0245	0.5697		
30/10/2017	96.8603	0.8911	0.2950	1.1861	1.7904	247.8044	27.2000	37.9584	50.0448	0.5357		
31/10/2017	96.7623	0.7267	0.2967	1.0234	2.0359	253.5325	24.3000	38.0700	50.2000	0.5897		

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

Mínimo	96.0783	0.6603	0.2427	0.9508	1.7904	244.9833	12.8800	37.9584	50.0245	0.0128		
Promedio	96.6502	0.7202	0.3041	1.0244	2.1400	250.9645	26.4452	38.1257	50.2509	0.4431		
Máximo	96.9856	0.9036	0.3770	1.2334	2.6749	254.3680	29.8000	38.3203	50.3938	0.7795		
Desv. Est.	0.21779	0.06053	0.02832	0.06833	0.22394	1.96584	3.14833	0.08529	0.08581	0.30244		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.

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

**(Registros Máximos diarios)**

**PERMISIONARIO:** TRACTEBEL DIGAQRO, S.A. de C.V.  
**PUNTO DE MEDICIÓN:** La Lira  
**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)
	<b>83.0 MÍN.</b>	<b>3.0 MÁX.</b>	<b>6.0 MÁX.</b>	<b>6.0 MÁX.</b>	<b>11.0 MÁX.</b>	<b>271.15 MÁX</b>	<b>110.0 MÁX.</b>	<b>43.6 MÁX.</b>	<b>53.2 MÁX.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/10/2017	96.3512	0.7100	0.4037	1.1137	2.9377	252.0213	322.6200	38.4116	50.4511	0.8758		
02/10/2017	96.3400	0.7261	0.4285	1.1547	2.7983	252.8180	321.8200	38.3471	50.3598	0.6956		
03/10/2017	96.4547	0.7168	0.3371	1.0539	2.5437	254.4090	28.4600	38.2790	50.3836	0.8037		
04/10/2017	96.5862	0.7405	0.3277	1.0682	2.6293	255.7411	331.1700	38.3615	50.4528	0.8668		
05/10/2017	96.4485	0.7507	0.3330	1.0837	2.8135	254.4163	28.7600	38.3584	50.4290	0.9208		
06/10/2017	96.7193	0.7462	0.3201	1.0663	2.6029	254.3180	331.1700	38.3555	50.4277	0.8127		
07/10/2017	96.8866	0.7501	0.3243	1.0744	2.6488	256.0457	27.2600	38.3664	50.4520	0.9839		
08/10/2017	96.8873	0.7698	0.3557	1.1256	2.1377	256.9082	28.9600	38.2329	50.2985	0.8577		
09/10/2017	97.1645	0.7668	0.2946	1.0615	1.9650	255.8290	30.9700	38.0853	50.2393	0.8848		
10/10/2017	97.1453	0.7729	0.2709	1.0439	2.0446	254.9211	30.9700	38.1221	50.2731	0.8848		
11/10/2017	96.9543	0.7289	0.2869	1.0158	2.0467	255.5346	29.5700	38.1525	50.2975	0.9478		
12/10/2017	96.9106	0.7728	0.2765	1.0493	2.0926	257.1580	29.1600	38.1371	50.2864	0.8397		
13/10/2017	96.8857	0.7129	0.3238	1.0368	2.1584	254.2287	28.7600	38.2359	50.3535	0.7676		
14/10/2017	96.8944	0.7860	0.3427	1.1287	2.3648	255.0233	28.5600	38.2232	50.2929	0.8217		
15/10/2017	96.9229	0.7821	0.3706	1.1527	2.2993	255.1575	28.6600	38.1924	50.2613	0.8307		
16/10/2017	97.0040	0.8104	0.3470	1.1574	2.3340	256.7264	28.8600	38.2622	50.3288	0.7046		
17/10/2017	96.8114	0.7163	0.3114	1.0277	2.7457	253.6973	27.6600	38.3200	50.3900	0.9839		
18/10/2017	96.8682	0.7318	0.3377	1.0606	2.1024	255.4102	26.6500	38.1000	50.2400	0.0378		
19/10/2017	96.8148	0.7456	0.3357	1.0693	2.1613	256.7772	28.0600	38.1200	50.2500	0.0468		
20/10/2017	96.7641	0.7475	0.4068	1.0934	2.4110	261.1789	31.7800	38.2000	50.3100	0.0558		
21/10/2017	96.8167	0.7423	0.4156	1.0823	2.4687	256.8122	31.6800	38.2200	50.3300	0.0378		
22/10/2017	96.8824	0.7192	0.3276	1.0226	2.2814	254.7041	331.1700	38.1800	50.2900	0.0378		
23/10/2017	96.8817	0.7185	0.3211	1.0298	2.3719	254.1447	26.4500	38.1800	50.2700	0.0378		
24/10/2017	96.8694	0.7314	0.3344	1.0506	2.3534	255.3609	24.9400	38.1700	50.2700	0.0468		
25/10/2017	96.8937	0.7340	0.3090	1.0367	2.0359	256.3646	331.1700	38.0800	50.2200	0.0288		
26/10/2017	96.8937	0.7340	0.3090	1.0430	2.0359	256.3645	331.1700	38.1093	50.2447	0.7316		
27/10/2017	98.7523	0.9317	0.4013	1.3330	2.1929	251.0625	26.7500	38.1162	50.1346	0.7857		
28/10/2017	97.2930	1.0052	0.3310	1.3362	2.0484	252.7661	321.8200	38.0981	50.1447	0.8668		
29/10/2017	96.9341	0.9534	0.3937	1.3470	1.9789	254.8723	29.2700	37.9965	50.0206	0.8397		
30/10/2017	96.9952	0.9144	0.3687	1.2830	1.8697	254.1110	29.2700	37.9894	50.0553	0.6595		
31/10/2017	96.7623	0.7267	0.2967	1.0234	2.0359	253.5325	26.4500	38.0700	50.2000	0.7857		

\*/ 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>	96.3400	0.7100	0.2709	1.0158	1.8697	251.0625	24.9400	37.9894	50.0206	0.0288		
<b>Promedio</b>	96.8964	0.7708	0.3401	1.1040	2.3068	255.1102	105.8071	38.1959	50.2889	0.6284		
<b>Máximo</b>	98.7523	1.0052	0.4285	1.3470	2.9377	261.1789	331.1700	38.4116	50.4528	0.9839		
<b>Desv. Est.</b>	0.40623	0.07548	0.04116	0.09538	0.28944	1.85784	133.09443	0.11299	0.10721	0.35970		

Observaciones: **DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.**

## INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros Mínimos diarios)

PERMISIONARIO: TRACTEBEL DIGAQRO, S.A. de C.V.  
 PUNTO DE MEDICIÓN: La Lira  
 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.
01/10/2017	95.7989	0.6036	0.2922	0.8958	2.5149	248.2803	26.5500	38.2626	50.3903	0.5244		
02/10/2017	95.8528	0.6302	0.3393	0.9695	2.3783	247.1919	26.5500	38.2259	50.3261	0.5244		
03/10/2017	96.2936	0.6343	0.2919	0.9262	2.3654	246.0539	26.5500	38.1991	50.3169	0.5244		
04/10/2017	96.1696	0.6466	0.2665	0.9130	2.3071	247.1269	26.7500	38.1902	50.3434	0.6505		
05/10/2017	96.0181	0.6652	0.2465	0.9117	2.4099	248.2218	26.7500	38.2149	50.3356	0.6505		
06/10/2017	96.1374	0.6580	0.2409	0.8989	2.1776	247.3041	25.2500	38.1414	50.3047	0.5334		
07/10/2017	96.1773	0.6287	0.2486	0.8773	2.0374	245.7418	25.2500	38.1139	50.3061	0.5334		
08/10/2017	96.4864	0.6674	0.2721	0.9395	1.9402	247.0918	25.7500	38.0549	50.2168	0.5063		
09/10/2017	96.8529	0.6369	0.2424	0.8793	1.7778	247.7598	28.2600	38.0323	50.2590	0.5964		
10/10/2017	96.8151	0.6375	0.2178	0.8553	1.8069	247.6180	28.8600	38.0415	50.2642	0.5964		
11/10/2017	96.7733	0.6832	0.2374	0.9205	1.9427	248.4473	27.4600	38.0751	50.2587	0.5874		
12/10/2017	96.7547	0.6872	0.2356	0.9227	2.0015	248.3887	27.3600	38.0831	50.2626	0.4703		
13/10/2017	96.6292	0.6536	0.2467	0.9003	1.9603	249.0238	26.7500	38.0877	50.2632	0.4973		
14/10/2017	96.3375	0.6433	0.2834	0.9267	1.9888	249.2986	26.7500	38.0953	50.2856	0.4973		
15/10/2017	96.4105	0.6593	0.2546	0.9139	1.9187	249.9845	26.3500	38.0763	50.2494	0.5874		
16/10/2017	96.3732	0.6355	0.2752	0.9106	1.8829	249.9670	26.2500	38.0481	50.2426	0.5063		
17/10/2017	96.1043	0.6451	0.3047	0.9499	1.9704	251.7905	25.3500	38.0600	50.1900	0.5063		
18/10/2017	96.6527	0.6682	0.2964	0.9798	1.9634	247.2036	24.9400	38.0500	50.1800	0.5063		
19/10/2017	96.6074	0.6688	0.2884	0.9639	2.0204	247.4591	25.0400	38.0700	50.1800	0.5063		
20/10/2017	96.3010	0.6349	0.2894	0.9652	2.0265	249.1626	27.7600	38.0600	50.1900	0.5063		
21/10/2017	96.2574	0.6028	0.3012	0.9554	2.0326	247.9309	28.1600	38.0800	50.2000	0.0018		
22/10/2017	96.4936	0.6486	0.2800	0.9440	1.9811	247.1093	28.1600	38.0700	50.2100	0.0018		
23/10/2017	96.4098	0.6628	0.2766	0.9600	1.9725	247.4881	23.9400	38.0600	50.2200	0.0018		
24/10/2017	96.4415	0.6884	0.2809	0.9764	1.9726	248.5897	22.7300	38.0600	50.1900	0.0018		
25/10/2017	96.7580	0.6970	0.2801	0.9815	1.9178	251.0961	22.7300	38.0300	50.1800	0.3532		
26/10/2017	96.7580	0.6970	0.2801	0.9771	1.9178	251.2159	22.7300	38.0616	50.2255	0.3532		
27/10/2017	96.3890	0.7465	0.2844	1.0309	1.5991	178.1772	24.4400	37.4541	49.8226	0.3532		
28/10/2017	96.5374	0.6370	0.2666	0.9036	1.5991	243.7740	24.4400	37.9266	50.1570	0.3442		
29/10/2017	96.5419	0.8526	0.2149	1.0675	1.7089	244.5030	27.5600	37.9155	50.0135	0.3442		
30/10/2017	96.7548	0.8449	0.2646	1.1095	1.6589	242.5477	25.0400	37.9114	50.0214	0.3802		
31/10/2017	96.7623	0.7267	0.2967	1.0234	2.0359	253.5325	22.4300	38.0700	50.2000	0.3442		

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Mínimo	95.7989	0.6028	0.2149	0.8553	1.5991	178.1772	22.4300	37.4541	49.8226	0.0018		
Promedio	96.4403	0.6707	0.2708	0.9468	1.9931	245.7768	25.8997	38.0588	50.2195	0.4287		
Máximo	96.8529	0.8526	0.3393	1.1095	2.5149	253.5325	28.8600	38.2626	50.3903	0.6505		
Desv. Est.	0.28485	0.05697	0.02734	0.05570	0.22320	12.74526	1.76704	0.13811	0.10948	0.18899		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.