

**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)
	<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>36.8 MÍN.</b>	<b>47.3 MÍN.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/10/2019	95.3526	0.6817	0.6274	1.3091	3.2096	246.6734	15.8400	38.2500	50.1800	1.0065	<10.8	0.00
02/10/2019	95.3130	0.6893	0.5460	1.2354	3.3037	247.6115	16.7600	38.3100	50.2600	1.1701		
03/10/2019	95.2283	0.6769	0.5972	1.2741	3.3438	249.6134	17.1700	38.3300	50.2500	1.1694		
04/10/2019	95.4955	0.7813	0.5278	1.3091	3.0578	249.0954	17.2800	38.2200	50.1400	1.2943		
05/10/2019	95.5984	0.7437	0.5918	1.3355	2.9217	248.7957	17.0300	38.1700	50.1100	1.1854		
06/10/2019	95.5672	0.8000	0.5781	1.3781	2.9257	248.3396	17.9100	38.1400	50.0700	1.2617		
07/10/2019	95.5100	0.8032	0.5523	1.3556	2.9794	249.2142	17.8400	38.1700	50.1000	1.1324		
08/10/2019	95.4552	0.7963	0.5583	1.3546	3.0611	248.5990	17.6200	38.2000	50.1000	1.0674		
09/10/2019	95.2747	0.7693	0.5802	1.3495	3.2273	248.4383	17.5300	38.2400	50.1300	1.0357		
10/10/2019	95.2575	0.6896	0.6660	1.3557	3.2371	249.8133	17.4300	38.2500	50.1700	1.0488		
11/10/2019	95.2098	0.5900	0.7881	1.3782	3.2803	248.8707	15.4300	38.2500	50.1700	0.9398		
12/10/2019	95.2880	0.6209	0.7446	1.3655	3.2071	248.0748	13.3000	38.2500	50.1600	0.9094		
13/10/2019	95.3171	0.6561	0.6594	1.3155	3.2263	249.6134	14.0000	38.2800	50.1800	0.9271		
14/10/2019	95.4429	0.7350	0.6573	1.3923	3.0436	248.5083	13.4000	38.1700	50.0800	1.0643		
15/10/2019	95.5106	0.7663	0.6311	1.3974	2.9678	248.0617	14.2200	38.1500	50.0600	1.0572		
16/10/2019	95.4918	0.7790	0.6520	1.4311	2.9390	249.7667	14.0500	38.1300	50.0300	1.0241		
17/10/2019	95.5613	0.7613	0.6338	1.3951	2.9222	249.1297	20.8800	38.1400	50.0600	0.9389		
18/10/2019	95.5699	0.7591	0.6376	1.3967	2.9254	247.8782	20.7200	38.1300	50.0500	0.9566		
19/10/2019	95.7689	0.7718	0.6127	1.3845	2.7507	248.3417	19.0200	38.0900	50.0300	0.9288		
20/10/2019	95.7028	0.8337	0.6307	1.4645	2.7438	236.8255	18.6300	38.0400	49.9500	0.9454		
21/10/2019	95.6897	0.8561	0.6437	1.4997	2.6800	249.8538	20.8200	38.0200	49.9200	1.0424		
22/10/2019	95.6458	0.7875	0.7307	1.5182	2.7365	248.6291	20.7200	38.0300	49.9400	0.8980		
23/10/2019	95.5610	0.7945	0.7191	1.5136	2.8034	248.8105	21.5300	38.0500	49.9600	0.8571		
24/10/2019	95.5932	0.8133	0.6799	1.4932	2.8004	248.1118	23.1200	38.0600	49.9600	0.8991		
25/10/2019	95.4290	0.7979	0.6692	1.4671	2.9722	249.1793	23.3700	38.1300	50.0100	0.8841		
26/10/2019	95.5237	0.8200	0.6659	1.4860	2.8399	250.3832	21.7700	38.1000	49.9800	0.8355		
27/10/2019	95.9025	0.8680	0.6823	1.5502	2.4349	247.7524	18.5400	37.9400	49.8400	0.9585		
28/10/2019	95.9025	0.8680	0.6823	1.5502	2.4349	247.7524	18.5400	37.9400	49.8400	0.9585		
29/10/2019	95.7671	0.8664	0.6744	1.5409	2.5358	250.0585	18.2900	37.9800	49.8700	1.0872		
30/10/2019	95.4801	0.8589	0.6608	1.5198	2.7637	256.6836	19.0300	38.1400	49.9800	1.1623		
31/10/2019	95.3766	0.8687	0.7064	1.5753	2.8260	255.8006	17.0500	38.1200	49.9500	0.9871		

\*/ 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>	95.2098	0.5900	0.5278	1.2354	2.4349	236.8255	13.3000	37.9400	49.8400	0.8355		
<b>Promedio</b>	95.5092	0.7711	0.6447	1.4159	2.9387	248.8477	18.0271	38.1426	50.0494	1.0204		
<b>Máximo</b>	95.9025	0.8687	0.7881	1.5753	3.3438	256.6836	23.3700	38.3300	50.2600	1.2943		
<b>Desv. Est.</b>	0.18512	0.07432	0.06038	0.09066	0.24500	3.02606	2.71806	0.10279	0.11275	0.11826		

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>
01/10/2019	95.4698	0.7084	0.7119	1.3819	3.3430	249.3616	16.8000	38.3200	50.2200	1.1461		
02/10/2019	95.4677	0.7182	0.6511	1.3193	3.4527	250.8010	17.9100	38.3700	50.3000	1.3713		
03/10/2019	95.4971	0.7378	0.6403	1.3270	3.5643	252.2590	18.4100	38.4400	50.3100	1.3083		
04/10/2019	95.5965	0.8964	0.6039	1.4003	3.2997	251.1402	18.2100	38.3300	50.2400	1.7227		
05/10/2019	95.8009	0.7832	0.6390	1.3954	3.2930	250.7965	18.3100	38.2900	50.1800	1.3804		
06/10/2019	95.8715	0.8502	0.6472	1.4515	3.3491	250.8742	19.4200	38.2700	50.1300	1.5606		
07/10/2019	95.6358	0.8440	0.5973	1.3930	3.1225	251.6910	18.8100	38.2300	50.1400	1.4254		
08/10/2019	95.5692	0.9227	0.5997	1.4784	3.2091	250.6849	18.9100	38.2600	50.2100	1.2722		
09/10/2019	95.4041	0.8248	0.6271	1.4011	3.3828	249.5871	18.4100	38.3100	50.2000	1.2362		
10/10/2019	95.5644	0.8478	0.8173	1.4316	3.4921	252.0388	19.1100	38.3800	50.2800	1.2452		
11/10/2019	95.3287	0.6454	0.8690	1.4968	3.4149	252.0744	17.5100	38.3100	50.2400	1.2272		
12/10/2019	95.4342	0.7336	0.8909	1.4796	3.3636	250.4113	14.4900	38.3100	50.2400	1.1100		
13/10/2019	95.5509	0.7008	1.0005	1.4259	3.4706	252.9572	14.9900	38.3600	50.3100	1.1281		
14/10/2019	95.6760	0.8804	0.7045	1.5617	3.4713	250.9837	14.3900	38.3800	50.3000	1.5876		
15/10/2019	95.6894	0.8272	0.6690	1.4520	3.2884	250.0388	15.2000	38.2700	50.1800	1.2452		
16/10/2019	95.6130	0.8500	0.6820	1.4930	3.0153	255.0873	14.9900	38.1700	50.0800	1.1821		
17/10/2019	95.7208	0.8094	0.6675	1.4623	3.1251	251.0159	320.5100	38.2300	50.1700	1.2632		
18/10/2019	95.7508	0.8400	0.6642	1.4892	3.1455	249.7160	21.9300	38.2200	50.1500	1.0920		
19/10/2019	95.9491	0.8321	0.6537	1.4419	2.9959	250.4613	19.9200	38.1700	50.1100	1.1190		
20/10/2019	95.8408	0.9377	0.6860	1.5464	2.9980	250.6676	19.6200	38.1600	50.0900	1.1641		
21/10/2019	95.9367	0.9461	0.7582	1.6130	2.9342	253.3497	21.8300	38.1700	50.1300	1.2452		
22/10/2019	95.7182	0.8798	0.7581	1.6112	2.8619	251.1774	21.3300	38.0900	49.9800	1.0560		
23/10/2019	95.7210	0.8574	0.7694	1.5442	3.1609	251.8244	22.7300	38.2900	50.1000	0.9478		
24/10/2019	95.7290	0.8711	0.7523	1.5561	3.0309	251.6695	24.4400	38.1400	50.0300	1.0109		
25/10/2019	95.6253	0.8495	0.7325	1.5260	3.3039	252.0780	24.9400	38.3400	50.1200	1.0380		
26/10/2019	95.6975	0.8539	0.7103	1.5376	3.2633	253.2910	22.2300	38.2400	50.1100	0.9749		
27/10/2019	96.0396	0.9401	0.7601	1.6509	2.8667	251.2127	35.4000	38.1000	50.0300	1.1371		
28/10/2019	96.0396	0.9401	0.7601	1.6509	2.8667	251.2127	35.4000	38.1000	50.0300	1.1371		
29/10/2019	96.0093	0.9312	0.7220	1.6114	2.6488	253.7177	19.3200	38.0400	49.9500	1.2722		
30/10/2019	95.7637	0.9301	0.7816	1.6043	2.9617	260.2313	20.3200	38.2800	50.0800	1.3984		
31/10/2019	95.6298	0.9798	0.8258	1.6304	2.9139	258.1726	331.1700	38.1800	49.9800	1.2722		

\*/ 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>	95.3287	0.6454	0.5973	1.3193	2.6488	249.3616	14.3900	38.0400	49.9500	0.9478		
<b>Promedio</b>	95.6884	0.8442	0.7210	1.4956	3.1810	251.9543	39.9019	38.2500	50.1490	1.2347		
<b>Máximo</b>	96.0396	0.9798	1.0005	1.6509	3.5643	260.2313	331.1700	38.4400	50.3100	1.7227		
<b>Desv. Est.</b>	0.18653	0.08309	0.09215	0.09360	0.23229	2.32412	76.49956	0.09873	0.10206	0.17782		

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)
	<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>36.8 MÍN.</b>	<b>47.3 MÍN.</b>	<b>6.0 MÁX.</b>	<b>150.0 MÁX.</b>	<b>0.2 MÁX.</b>
01/10/2019	95.1620	0.6540	0.5906	1.2604	3.1043	196.2291	14.9900	38.2100	50.1500	0.8577		
02/10/2019	95.1562	0.6494	0.4802	1.1755	3.1281	197.3056	15.4000	38.2500	50.1800	0.9569		
03/10/2019	94.9035	0.5906	0.4993	1.2097	3.0973	248.0218	16.1000	38.2400	50.1800	1.0199		
04/10/2019	95.2737	0.7329	0.4708	1.2369	2.9245	247.5364	15.9000	38.1500	50.0300	1.0380		
05/10/2019	95.2111	0.7060	0.5555	1.2808	2.7313	247.3954	15.8000	38.1000	50.0400	0.9478		
06/10/2019	95.1495	0.7445	0.5011	1.3074	2.6233	246.3867	16.1000	38.0400	49.9700	0.9478		
07/10/2019	95.3844	0.7640	0.5222	1.3173	2.8916	247.4205	16.8000	38.1300	50.0500	0.9569		
08/10/2019	95.3391	0.7048	0.5334	1.2532	2.9527	246.6236	16.1000	38.1200	49.9800	0.9208		
09/10/2019	95.1433	0.7076	0.5403	1.3010	3.0927	246.8510	16.6000	38.1800	50.0700	0.8668		
10/10/2019	94.9449	0.5428	0.5272	1.2834	2.9274	248.3435	15.7000	38.1400	50.0500	0.7947		
11/10/2019	95.0334	0.5535	0.7216	1.3042	3.0860	246.6920	13.4900	38.1400	50.0500	0.7586		
12/10/2019	95.1121	0.5004	0.6020	1.2843	3.0343	245.1835	11.5800	38.1500	50.0700	0.7496		
13/10/2019	95.0987	0.4225	0.6178	1.2276	2.9909	247.2657	13.0800	38.1600	50.1300	0.7136		
14/10/2019	95.0878	0.5808	0.5956	1.2520	2.7982	246.8616	11.9800	38.0300	49.9000	0.7947		
15/10/2019	95.2460	0.6826	0.6048	1.3193	2.7582	244.9518	13.2900	38.0600	49.9700	0.8217		
16/10/2019	95.4253	0.7396	0.5878	1.3592	2.8523	248.1654	12.9800	38.1000	49.9700	0.8487		
17/10/2019	95.4277	0.6660	0.6049	1.2952	2.7439	247.2856	0.3200	38.0600	49.9700	0.8127		
18/10/2019	95.3846	0.6882	0.6036	1.3128	2.6544	246.4370	19.1100	38.0200	49.9300	0.8037		
19/10/2019	95.5425	0.6971	0.5765	1.3188	2.5629	246.0328	18.1100	38.0100	49.9500	0.7316		
20/10/2019	95.4857	0.7324	0.5446	1.3138	2.5834	185.2344	17.6100	37.9700	49.8800	0.7947		
21/10/2019	95.5020	0.7580	0.5190	1.2868	2.4578	247.9021	19.4200	37.9400	49.8300	0.8397		
22/10/2019	95.4322	0.7496	0.6922	1.4777	2.6472	246.3408	20.2200	38.0000	49.8600	0.7316		
23/10/2019	95.0787	0.7605	0.6374	1.4610	2.6505	246.9296	20.4200	37.9900	49.9000	0.7046		
24/10/2019	95.3824	0.7747	0.6057	1.4236	2.6398	246.4285	22.4300	38.0000	49.9000	0.7947		
25/10/2019	94.9553	0.7556	0.6107	1.4208	2.8158	246.4893	22.0300	38.0600	49.9600	0.7496		
26/10/2019	95.1528	0.7600	0.6054	1.4164	2.6300	248.1147	21.2300	38.0300	49.9200	0.7226		
27/10/2019	95.4592	0.7166	0.6259	1.4319	2.2338	246.4091	3.4400	37.8300	49.7300	0.7226		
28/10/2019	95.4592	0.7166	0.6259	1.4319	2.2338	246.4091	3.4400	37.8300	49.7300	0.7226		
29/10/2019	95.6193	0.8123	0.6170	1.4710	2.2944	246.5869	10.6700	37.8700	49.7700	0.7226		
30/10/2019	95.1580	0.7922	0.6001	1.4290	2.5528	253.1872	18.1100	37.9800	49.8500	0.7226		
31/10/2019	95.1895	0.7963	0.5927	1.5093	2.6436	252.9390	18.1100	38.0300	49.8600	0.6865		

\*/ 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>	94.9035	0.4225	0.4708	1.1755	2.2338	185.2344	0.3200	37.8300	49.7300	0.6865		
<b>Promedio</b>	95.2548	0.6920	0.5810	1.3346	2.7528	242.0632	15.1794	38.0587	49.9623	0.8147		
<b>Máximo</b>	95.6193	0.8123	0.7216	1.5093	3.1281	253.1872	22.4300	38.2500	50.1800	1.0380		
<b>Desv. Est.</b>	0.19071	0.09239	0.05730	0.08819	0.25231	16.53135	5.22226	0.10742	0.12013	0.09897		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.