

**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>
01/04/2016	95.0448	0.7883	0.7453	1.5335	3.0873	255.7428	27.5700	38.2900	50.0700	1.1518	<10.8	0.00
02/04/2016	94.6087	0.7759	1.0245	1.8003	3.2469	255.7816	31.1600	38.2400	49.9300	1.3124		
03/04/2016	94.7426	0.7691	0.9266	1.6958	3.2104	255.7772	30.7500	38.2600	50.0000	1.3409		
04/04/2016	95.0669	0.7851	0.7776	1.5626	3.0577	256.3109	35.3600	38.2500	50.0400	1.2791		
05/04/2016	95.2880	0.7997	0.6100	1.4096	2.9888	256.2623	28.9000	38.2700	50.1200	1.2035		
06/04/2016	94.4637	0.7218	1.1712	1.8931	3.3126	257.0715	34.0300	38.2100	49.8800	1.3866		
07/04/2016	93.8761	0.6387	1.7182	2.3569	3.4453	257.0110	43.5500	38.0600	49.6000	1.6865		
08/04/2016	94.9406	0.7243	0.9435	1.6677	3.0747	257.0208	30.7600	38.2100	49.9900	0.6529		
09/04/2016	94.7032	0.7418	0.9446	1.6864	3.2687	257.0833	29.1300	38.2900	50.0100	0.3905		
10/04/2016	95.0350	0.7741	0.7639	1.5380	3.1013	256.7596	31.8800	38.2700	50.0600	0.3916		
11/04/2016	95.6301	0.8101	0.4620	1.2722	2.8039	256.4398	25.2400	38.2800	50.1800	0.4004		
12/04/2016	95.0682	0.8069	1.1518	1.9575	2.7164	258.5409	22.1400	38.0100	49.7300	0.4004		
13/04/2016	95.1533	0.7966	0.7306	1.5273	2.9650	259.9277	20.9000	38.2800	50.0700	0.4004		
14/04/2016	95.7332	0.7937	0.4017	1.1953	2.7726	258.9304	23.4900	38.3000	50.2300	0.4004		
15/04/2016	95.3493	0.8303	0.5277	1.3580	2.9798	258.6980	24.0100	38.3200	50.1600	0.4004		
16/04/2016	95.0990	0.8258	0.6812	1.5070	3.0435	259.6689	27.3600	38.2900	50.0800	0.4004		
17/04/2016	95.1700	0.8245	0.6264	1.4509	2.9845	260.0625	26.5800	38.3300	50.1200	0.4004		
18/04/2016	95.7977	0.8192	0.3064	1.1257	2.7418	259.6857	19.7600	38.3500	50.2800	0.2842		
19/04/2016	95.8291	0.8234	0.3010	1.1244	2.7430	259.1304	19.8400	38.3400	50.2900	0.3907		
20/04/2016	96.0579	0.7960	0.2178	1.0138	2.6160	260.0670	18.7700	38.3500	50.3500	1.0038		
21/04/2016	96.1642	0.7725	0.2215	0.9940	2.5584	258.4217	18.8200	38.3300	50.3600	1.1093		
22/04/2016	95.8691	0.7770	0.4204	1.1974	2.6481	257.9999	20.2900	38.2700	50.2100	1.2469		
23/04/2016	95.6410	0.7978	0.3774	1.1753	2.8847	258.5262	19.0700	38.3300	50.2700	1.3187		
24/04/2016	95.7391	0.8126	0.2318	1.0445	2.8842	257.9384	17.4100	38.4000	50.3700	1.2381		
25/04/2016	95.9597	0.7698	0.2236	0.9934	2.7103	258.3470	17.4500	38.4000	50.3900	1.1140		
26/04/2016	95.9675	0.7989	0.2239	1.0229	2.6941	258.8096	18.3900	38.3600	50.3500	1.2289		
27/04/2016	96.0042	0.7784	0.2317	1.0100	2.6919	258.6054	19.3900	38.3600	50.3700	1.2659		
28/04/2016	95.4750	0.7479	0.6023	1.3503	2.8397	259.9361	24.4600	38.2800	50.1800	1.3110		
29/04/2016	95.4664	0.7517	0.5647	1.3165	2.8830	259.7007	25.1400	38.3200	50.2000	1.3127		
30/04/2016	95.5218	0.7746	0.4674	1.2420	2.8499	260.7218	22.0700	38.3700	50.2500	1.2192		


\*/ 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>	93.8761	0.6387	0.2178	0.9934	2.5584	255.7428	17.4100	38.0100	49.6000	0.2842		
<b>Promedio</b>	95.3488	0.7809	0.6199	1.4007	2.9268	258.1660	25.1223	38.2873	50.1380	0.9214		
<b>Máximo</b>	96.1642	0.8303	1.7182	2.3569	3.4453	260.7218	43.5500	38.4000	50.3900	1.6865		
<b>Desv. Est.</b>	0.54192	0.03926	0.35624	0.33228	0.22546	1.48624	6.28736	0.08452	0.19092	0.44193		

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

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

**(Registros Máximos diarios)**

<b>PERMISIONARIO:</b>	<b>TRACTEBEL DIGAQRO, S.A. de C.V.</b>	
<b>PUNTO DE MEDICIÓN:</b>	<b>La Lira</b>	
<b>ZONA DE MEDICIÓN:</b>	<b>SUR</b>	

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.	43.6 MÁX.	53.2 MÁX.	6.0 MÁX.	150.0 MÁX.	0.2 MÁX.
01/04/2016	95.5623	0.8666	2.1868	2.8044	3.4639	258.5621	38.3400	38.3900	50.2700	1.7934		
02/04/2016	95.1860	0.8546	2.1997	2.8172	3.4888	257.9445	331.4800	38.3200	50.1400	1.7760		
03/04/2016	95.5876	0.8105	1.4194	2.1588	3.5265	258.0245	49.8100	38.3400	50.2400	1.9159		
04/04/2016	95.6600	0.8313	1.9009	2.5594	3.5406	258.3824	52.7300	38.3300	50.2400	2.0996		
05/04/2016	95.7417	0.8509	1.0779	1.8055	3.1462	258.4426	38.3400	38.3400	50.2700	1.6885		
06/04/2016	95.1211	0.8153	1.4149	2.0922	3.6314	258.8196	36.3300	38.3100	50.1200	1.8634		
07/04/2016	94.1557	0.7136	1.9982	2.6069	3.7240	259.2339	46.4900	38.2700	49.8400	2.2396		
08/04/2016	95.2515	0.7725	1.6409	2.2713	3.3403	258.8596	46.7900	38.3400	50.1600	1.7322		
09/04/2016	95.1644	0.7809	1.1397	1.8708	3.5334	258.4093	32.9100	38.4100	50.1300	0.4112		
10/04/2016	95.2953	0.8350	1.0686	1.8133	3.3718	259.0688	34.1100	38.3300	50.1700	0.4199		
11/04/2016	96.0181	0.8539	0.7124	1.4902	3.0950	258.6854	31.2000	38.3400	50.2800	0.4462		
12/04/2016	96.0857	0.8400	1.5415	2.3457	2.8453	260.8978	24.8600	38.3500	50.2900	0.4549		
13/04/2016	96.0942	0.9237	3.0400	3.4844	5.1300	272.0642	24.7600	38.4800	50.4200	0.4549		
14/04/2016	96.0924	0.8837	0.5594	1.3580	2.9640	263.0031	25.1600	38.3900	50.3500	0.4549		
15/04/2016	95.7211	0.8903	0.8323	1.5685	3.1389	260.8067	26.3700	38.3900	50.3300	0.4549		
16/04/2016	95.6230	0.8605	0.9649	1.7702	3.3639	262.2675	29.7900	38.4400	50.2600	0.4549		
17/04/2016	95.5728	0.9191	1.2281	2.0127	3.3704	261.7547	32.1000	38.3900	50.2300	0.4549		
18/04/2016	96.0617	0.8592	0.5997	1.3924	2.8589	263.1696	323.2300	38.4200	50.3800	0.4724		
19/04/2016	96.0191	0.8598	0.5011	1.3334	2.8842	260.7107	331.4800	38.3700	50.3600	0.4462		
20/04/2016	96.2557	0.8289	0.2276	1.0520	2.7689	261.6507	19.6200	38.3800	50.3700	1.2335		
21/04/2016	96.2323	0.8105	0.2431	1.0337	2.7018	261.4513	19.9300	38.4000	50.3900	1.2335		
22/04/2016	96.2234	0.8358	0.8033	1.5400	2.8293	259.7943	22.4400	38.3300	50.3500	1.4960		
23/04/2016	96.0966	0.8389	0.8784	1.6038	3.1845	259.4236	23.6500	38.4400	50.3600	1.5397		
24/04/2016	95.9330	0.8557	0.2984	1.1133	3.1046	259.7764	18.6200	38.5100	50.4300	1.4872		
25/04/2016	96.1583	0.7963	0.2495	1.0243	2.9100	259.7710	18.3200	38.4600	50.4400	1.2598		
26/04/2016	96.1354	0.8789	0.2378	1.1089	2.7866	261.1303	19.9300	38.3900	50.4000	1.3998		
27/04/2016	96.1891	0.8277	1.7259	2.3271	3.0125	261.6095	27.0700	38.3900	50.3900	1.4698		
28/04/2016	95.8728	0.8328	1.7759	2.3730	3.8183	268.6751	27.8800	38.3800	50.3300	1.7060		
29/04/2016	95.7285	0.8123	1.4217	2.0729	3.6940	266.3052	26.3700	38.3800	50.2700	1.5222		
30/04/2016	95.8279	0.8315	1.5220	2.1867	3.8138	267.7074	25.9600	38.4900	50.3500	1.4348		


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<b>Mínimo</b>	94.1557	0.7136	0.2276	1.0243	2.7018	257.9445	18.3200	38.2700	49.8400	0.4112		
<b>Promedio</b>	95.7556	0.8390	1.1803	1.8997	3.3014	261.2134	60.2023	38.3833	50.2853	1.1939		
<b>Máximo</b>	96.2557	0.9237	3.0400	3.4844	5.1300	272.0642	331.4800	38.5100	50.4400	2.2396		
<b>Desv. Est.</b>	0.46075	0.04211	0.69803	0.61471	0.48275	3.41326	91.51581	0.05610	0.12462	0.61851		

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.
01/04/2016	93.3218	0.6101	0.3315	1.1706	2.9235	254.2402	2.1100	37.9400	49.3400	0.8486		
02/04/2016	93.2580	0.6101	0.5676	1.4073	3.0794	254.7161	2.1100	37.9700	49.3600	0.8486		
03/04/2016	94.0092	0.6953	0.4123	1.2133	2.8892	254.0966	2.1100	38.1500	49.7300	1.0236		
04/04/2016	93.5273	0.6574	0.3547	1.1860	2.8747	255.1283	4.4300	38.0400	49.5000	1.0323		
05/04/2016	94.8195	0.7276	0.3399	1.1546	2.8047	255.1303	25.6600	38.1500	49.8900	1.0323		
06/04/2016	93.9652	0.6721	0.6503	1.4509	3.0680	255.9798	28.4800	38.1300	49.7600	0.9011		
07/04/2016	93.5838	0.5955	1.3438	2.0494	3.3189	255.6075	36.0300	37.9500	49.4400	1.2860		
08/04/2016	94.0884	0.6215	0.6195	1.3807	2.8927	255.7711	25.4600	38.0500	49.6400	0.3762		
09/04/2016	94.3383	0.7073	0.7524	1.4930	3.0319	255.9703	27.2700	38.2000	49.9100	0.3499		
10/04/2016	94.4767	0.7302	0.5699	1.3719	2.9430	255.4595	28.1800	38.2200	49.9300	0.3499		
11/04/2016	95.1327	0.7497	0.2384	1.0758	2.6030	254.8275	21.2300	38.2200	50.0600	0.3762		
12/04/2016	94.6266	0.7858	0.2100	1.0454	2.5819	203.6481	20.2300	37.8700	49.4600	0.3762		
13/04/2016	90.7659	0.4444	0.2072	1.0059	2.5773	256.4816	19.3200	37.8700	49.3000	0.3762		
14/04/2016	95.3600	0.7584	0.2105	1.0013	2.6182	254.8785	19.6200	38.2300	50.1400	0.3762		
15/04/2016	95.1297	0.7361	0.2487	1.0829	2.8480	254.5296	22.5400	38.2200	50.0300	0.3762		
16/04/2016	94.3484	0.7563	0.3629	1.1948	2.8513	254.9131	22.7400	38.2300	49.9400	0.3762		
17/04/2016	94.1104	0.7845	0.4262	1.2635	2.7052	255.9845	23.3500	38.2500	49.8700	0.3762		
18/04/2016	95.4679	0.7875	0.2075	1.0209	2.5983	254.7917	23.3500	38.2500	50.1200	0.3762		
19/04/2016	95.5251	0.7870	0.2095	0.9974	2.6478	254.4645	23.3500	38.2800	50.1500	0.3762		
20/04/2016	95.8815	0.7403	0.2030	0.9475	2.4938	255.7050	17.7100	38.3000	50.2900	0.3762		
21/04/2016	95.9510	0.7348	0.2010	0.9425	2.4812	254.0313	17.7100	38.2900	50.3000	1.0061		
22/04/2016	95.4614	0.7366	0.2052	0.9848	2.4782	252.8927	18.1100	38.1600	50.0100	1.0323		
23/04/2016	95.2536	0.7222	0.2139	1.0028	2.6092	255.0732	17.3100	38.1600	49.9900	1.0586		
24/04/2016	95.5090	0.7812	0.2103	0.9938	2.7323	254.3011	16.3000	38.3600	50.3000	1.0323		
25/04/2016	95.7264	0.7378	0.2067	0.9512	2.5425	254.6355	16.4000	38.3100	50.3300	0.9711		
26/04/2016	95.8359	0.7472	0.2046	0.9613	2.5609	253.7348	17.1100	38.3100	50.2700	0.9798		
27/04/2016	94.3509	0.6012	0.2044	0.9618	2.5075	254.0824	17.5100	37.9500	49.5600	1.1111		
28/04/2016	93.5623	0.5971	0.2981	1.0689	2.7231	253.8812	22.6400	37.9300	49.5300	1.1023		
29/04/2016	93.7956	0.6512	0.4378	1.2029	2.7267	255.3687	23.9500	38.2600	49.8800	1.0848		
30/04/2016	93.5276	0.6647	0.2891	1.0887	2.7119	255.7043	18.7200	38.2700	49.8300	1.0586		

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Mínimo	90.7659	0.4444	0.2010	0.9425	2.4782	203.6481	2.1100	37.8700	49.3000	0.3499		
Promedio	94.4903	0.6977	0.3646	1.1557	2.7475	253.2010	19.3680	38.1507	49.8620	0.7416		
Máximo	95.9510	0.7875	1.3438	2.0494	3.3189	256.4816	36.0300	38.3600	50.3300	1.2860		
Desv. Est.	1.10412	0.07916	0.24312	0.23418	0.20868	9.39388	7.96023	0.14565	0.31566	0.33746		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE