

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 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.
01/12/2016	95.6007	0.8029	0.3207	1.1236	3.0495	256.2313	51.8200	38.3500	50.2800	1.1049		
02/12/2016	95.3961	0.8269	0.3173	1.1443	3.2631	254.8058	51.8200	38.4000	50.2900	1.1156		
03/12/2016	95.5927	0.8119	0.3405	1.1525	3.0683	254.2291	51.8200	38.3200	50.2600	1.0688		
04/12/2016	95.6473	0.8021	0.3223	1.1244	3.0233	253.5215	51.8200	38.3400	50.2700	0.9569		
05/12/2016	94.9924	0.7335	0.9444	1.6779	3.1184	254.3487	51.8200	38.1500	49.9400	1.1673		
06/12/2016	94.1733	0.7031	1.4320	2.1350	3.4068	257.5679	51.8200	38.1100	49.7200	1.6598		
07/12/2016	93.1981	0.7069	2.0576	2.7645	3.7141	259.2160	51.8200	37.9800	49.3600	1.6892		
08/12/2016	93.4327	0.8189	1.5842	2.4030	3.8689	258.4052	51.8200	38.1500	49.6000	0.3604		
09/12/2016	93.1644	0.8046	1.7660	2.5705	3.9550	257.7190	51.8200	38.1200	49.5100	0.3587		
10/12/2016	93.4396	0.9198	1.0947	2.0145	4.2450	256.0345	51.8200	38.4100	49.9000	0.3591		
11/12/2016	94.2250	0.9895	0.2721	1.2614	4.2243	252.3105	51.8200	38.6600	50.3700	0.3597		
12/12/2016	94.4580	0.9556	0.3178	1.2734	4.0062	253.2985	51.8200	38.6000	50.3300	1.2002		
13/12/2016	95.1120	0.8560	0.4094	1.2654	3.3513	254.8588	51.8200	38.4100	50.2600	1.3733		
14/12/2016	95.4821	0.8512	0.2266	1.0777	3.2255	252.2031	51.8200	38.4300	50.3400	1.3508		
15/12/2016	95.5395	0.8283	0.2257	1.0540	3.1477	252.2591	51.8200	38.4100	50.3600	1.1668		
16/12/2016	95.2231	0.8749	0.2614	1.1362	3.3623	254.0444	51.8200	38.4600	50.3400	1.2526		
17/12/2016	95.5483	0.8116	0.3095	1.1212	3.0785	253.9046	51.8200	38.3800	50.3200	1.1820		
18/12/2016	96.9241	0.6484	0.1959	0.8443	2.0134	255.3193	51.8200	38.1500	50.3600	0.3819		
19/12/2016	96.8412	0.6488	0.1961	0.8450	2.1040	254.8498	51.8200	38.1800	50.3800	0.4504		
20/12/2016	96.8309	0.6634	0.1917	0.8551	2.1138	254.9792	51.8200	38.1700	50.3600	0.4898		
21/12/2016	95.1702	0.7083	0.9440	1.6523	2.9234	255.4303	51.8200	38.1300	49.9600	1.4315		
22/12/2016	95.5927	0.8125	0.3022	1.1146	3.0307	254.1943	51.8200	38.3700	50.3000	1.3726		
23/12/2016	95.8656	0.8005	0.2181	1.0187	2.8248	255.4375	51.8200	38.3700	50.3600	1.2146		
24/12/2016	95.9193	0.7886	0.2305	1.0191	2.7531	256.6076	51.8200	38.3700	50.3600	1.2977		
25/12/2016	95.8354	0.8058	0.2339	1.0396	2.8026	257.7204	51.8200	38.3700	50.3400	1.2578		
26/12/2016	95.8591	0.7919	0.2397	1.0315	2.7945	258.5299	51.8200	38.3800	50.3700	1.3351		
27/12/2016	95.9050	0.8048	0.2400	1.0448	2.8053	256.5464	51.8200	38.3500	50.3300	1.2291		
28/12/2016	95.5718	0.7797	0.4935	1.2732	2.8993	257.1188	51.8200	38.2700	50.1800	1.2992		
29/12/2016	95.5250	0.8100	0.3293	1.1394	3.0779	257.6830	51.8200	38.3600	50.2800	1.7084		
30/12/2016	95.3743	0.7763	0.6034	1.3796	3.0115	256.6749	51.8200	38.2500	50.1300	1.7872		
31/12/2016	94.8125	0.6380	1.5599	2.1980	2.7449	259.5665	51.8200	37.8700	49.5800	2.3496		


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

Mínimo	93.1644	0.6380	0.1917	0.8443	2.0134	252.2031	51.8200	37.8700	49.3600	0.3587		
Promedio	95.2339	0.7927	0.5865	1.3792	3.1293	255.6650	51.8200	38.2990	50.1529	1.1397		
Máximo	96.9241	0.9895	2.0576	2.7645	4.2450	259.5665	51.8200	38.6600	50.3800	2.3496		
Desv. Est.	0.98345	0.08357	0.54434	0.52868	0.55289	2.03638	0.00000	0.16716	0.29869	0.48650		

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 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.
01/12/2016	95.7064	0.8411	0.3365	1.1543	3.1271	259.6509	51.8200	38.3800	50.3300	1.2860		
02/12/2016	95.6070	0.8708	0.3376	1.1827	3.4053	259.6497	51.8200	38.4400	50.3400	1.2510		
03/12/2016	95.7048	0.8588	0.3897	1.1948	3.1985	258.5036	51.8200	38.4000	50.3100	1.2248		
04/12/2016	95.8010	0.8422	0.3858	1.2022	3.1157	257.0665	51.8200	38.3700	50.3200	1.0586		
05/12/2016	95.7785	0.8892	3.3187	3.7665	3.5054	263.4296	51.8200	38.4700	50.3400	2.0472		
06/12/2016	95.2217	0.8371	2.7703	3.3780	3.7498	263.9803	51.8200	38.5100	50.3200	2.6858		
07/12/2016	94.3867	0.9225	3.4055	3.9020	3.9825	262.5511	51.8200	38.3800	50.0300	3.4557		
08/12/2016	94.4234	1.0455	2.9695	3.6106	4.0842	263.1507	51.8200	38.6300	50.3200	0.3937		
09/12/2016	94.4499	1.0399	3.1364	3.7578	4.2725	262.9895	51.8200	38.7100	50.3700	0.3762		
10/12/2016	94.1316	1.0592	3.0361	3.7356	4.4950	263.7961	51.8200	38.7500	50.4100	0.3849		
11/12/2016	94.5160	1.0506	0.2915	1.3290	4.5459	254.8615	51.8200	38.7500	50.4100	0.3849		
12/12/2016	95.4258	1.0275	1.0509	1.9100	4.3329	266.7656	51.8200	38.7000	50.4200	1.6622		
13/12/2016	95.5855	0.9017	0.9019	1.7687	4.0436	268.7533	51.8200	38.5100	50.4000	1.6447		
14/12/2016	95.5650	0.8906	0.2366	1.1181	3.3394	263.3545	51.8200	38.4800	50.4000	1.5835		
15/12/2016	95.9401	0.8911	0.2343	1.1141	3.3301	266.0213	51.8200	38.4700	50.3800	1.3210		
16/12/2016	95.8706	1.0282	0.7280	1.5565	4.4324	268.6336	51.8200	38.7300	50.3900	1.4085		
17/12/2016	96.7681	0.9885	2.1227	2.8872	4.3128	259.5955	51.8200	38.6300	50.4000	1.4698		
18/12/2016	97.2140	0.7250	0.2488	0.9381	2.1878	261.0115	51.8200	38.2300	50.4300	0.4462		
19/12/2016	97.0868	0.7759	0.2325	1.0075	3.0783	260.5666	51.8200	38.4000	50.4000	1.2248		
20/12/2016	97.2345	0.8130	0.2457	1.0400	3.0921	259.1125	51.8200	38.4300	50.4100	1.1985		
21/12/2016	96.3217	0.8456	2.7304	3.2772	3.4540	267.4375	51.8200	38.4400	50.4100	3.0007		
22/12/2016	95.9002	0.9087	2.2270	2.8018	3.2182	265.4825	51.8200	38.4900	50.4400	2.8170		
23/12/2016	96.0773	0.8549	0.2430	1.0752	3.0402	266.3948	51.8200	38.4100	50.4000	1.3735		
24/12/2016	96.1185	0.8418	0.2480	1.0741	2.8974	264.7023	51.8200	38.4200	50.3900	1.5047		
25/12/2016	96.1009	0.8360	0.2684	1.0780	2.9051	262.0604	51.8200	38.4400	50.4000	1.4260		
26/12/2016	95.9927	0.8326	0.2621	1.0734	2.8602	263.4502	51.8200	38.4600	50.3900	1.6010		
27/12/2016	95.9752	0.8386	0.2626	1.0845	2.8886	262.2161	51.8200	38.3800	50.3700	1.5572		
28/12/2016	95.8849	0.8698	1.0928	1.7879	3.0963	261.5709	51.8200	38.4300	50.4100	1.7322		
29/12/2016	95.7295	0.8650	1.0487	1.7683	3.3281	268.7456	51.8200	38.4800	50.4500	3.5694		
30/12/2016	95.8944	0.8754	2.2303	2.7870	3.3923	261.4117	51.8200	38.3900	50.3400	3.3244		
31/12/2016	95.6161	0.7515	2.9238	3.3908	3.3272	264.9727	51.8200	38.1700	50.0700	3.6481		

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Mínimo	94.1316	0.7250	0.2325	0.9381	2.1878	254.8615	51.8200	38.1700	50.0300	0.3762		
Promedio	95.7429	0.8909	1.2876	2.0243	3.4851	262.9641	51.8200	38.4800	50.3613	1.6794		
Máximo	97.2345	1.0592	3.4055	3.9020	4.5459	268.7533	51.8200	38.7500	50.4500	3.6481		
Desv. Est.	0.77516	0.08946	1.19969	1.08415	0.58777	3.43686	0.00000	0.14107	0.09142	0.95843		

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 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.
01/12/2016	95.5190	0.7713	0.2901	1.0833	2.9450	253.1892	51.8200	38.3200	50.2600	0.9098		
02/12/2016	95.2124	0.7872	0.2965	1.1032	3.0709	251.4720	51.8200	38.3500	50.2800	0.9623		
03/12/2016	95.3838	0.7700	0.3071	1.1137	2.9436	251.1823	51.8200	38.2700	50.2200	0.9011		
04/12/2016	95.5475	0.7668	0.2808	1.0754	2.9037	250.5600	51.8200	38.2800	50.2200	0.8136		
05/12/2016	93.0340	0.4451	0.2661	1.0616	2.8965	250.0947	51.8200	37.3200	48.6000	0.3499		
06/12/2016	92.6982	0.5569	0.4258	1.2605	2.9901	254.5783	51.8200	37.6600	48.9500	1.0411		
07/12/2016	92.1579	0.4951	0.9559	1.7479	3.3869	255.1704	51.8200	37.4800	48.6200	0.3237		
08/12/2016	92.3476	0.6298	0.2785	1.3099	3.6266	253.3561	51.8200	37.6300	48.8100	0.3237		
09/12/2016	92.0705	0.6191	0.2613	1.2763	3.7174	252.5904	51.8200	37.6200	48.7300	0.3237		
10/12/2016	91.9359	0.6995	0.2444	1.2592	3.8655	250.9171	51.8200	37.6900	48.7700	0.3237		
11/12/2016	93.8702	0.9274	0.2537	1.1999	3.9110	250.1625	51.8200	38.5800	50.3100	0.3237		
12/12/2016	93.5909	0.8401	0.2177	1.0603	3.2159	250.4695	51.8200	38.3100	49.9500	0.3237		
13/12/2016	93.9006	0.8125	0.2127	1.0302	3.1052	250.5885	51.8200	38.3100	50.0200	1.0586		
14/12/2016	95.3525	0.8113	0.2107	1.0288	3.1310	249.2984	51.8200	38.3900	50.3100	1.1111		
15/12/2016	95.3593	0.7746	0.2080	0.9834	2.8379	250.1588	51.8200	38.3400	50.3100	1.0323		
16/12/2016	93.9816	0.7862	0.2119	0.9993	2.8736	250.6178	51.8200	38.3200	50.0700	1.0323		
17/12/2016	92.9211	0.7067	0.1798	0.8879	2.0863	250.3247	51.8200	37.9700	49.2900	0.3762		
18/12/2016	96.6880	0.5758	0.1598	0.7375	1.8291	251.6910	51.8200	38.0900	50.2900	0.3412		
19/12/2016	95.7075	0.5793	0.1751	0.7704	1.9390	251.9244	51.8200	38.1300	50.3400	0.3412		
20/12/2016	95.6559	0.5841	0.1563	0.7516	1.8057	250.2728	51.8200	38.0700	50.3000	0.3237		
21/12/2016	93.6209	0.5342	0.2052	0.9357	2.5150	250.7304	51.8200	37.4900	48.8800	0.7874		
22/12/2016	94.0683	0.5749	0.2092	0.9683	2.8466	250.5508	51.8200	37.6800	49.2000	1.0761		
23/12/2016	95.6531	0.7399	0.1998	0.9505	2.6220	250.3229	51.8200	38.3200	50.3100	1.0761		
24/12/2016	95.7177	0.7450	0.2110	0.9691	2.6307	252.8107	51.8200	38.3000	50.3100	1.0148		
25/12/2016	95.7363	0.7511	0.2115	0.9896	2.6379	252.0129	51.8200	38.3100	50.3000	0.9098		
26/12/2016	95.6874	0.7505	0.2157	0.9846	2.7127	253.5517	51.8200	38.3300	50.3100	0.7349		
27/12/2016	95.7667	0.7735	0.2218	1.0125	2.7143	252.7078	51.8200	38.3000	50.2800	0.7349		
28/12/2016	95.0561	0.6576	0.2121	1.0100	2.7195	251.7478	51.8200	38.0900	49.8700	0.7261		
29/12/2016	94.6315	0.6271	0.2232	0.9733	2.9063	253.2034	51.8200	38.2200	49.9500	0.8224		
30/12/2016	93.5929	0.5567	0.2302	1.0408	2.5296	252.6709	51.8200	37.8000	49.2900	1.2423		
31/12/2016	93.5660	0.4669	0.7339	1.4184	2.6229	256.1935	51.8200	37.4300	48.8200	1.7410		

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Mínimo	91.9359	0.4451	0.1563	0.7375	1.8057	249.2984	51.8200	37.3200	48.6000	0.3237		
Promedio	94.3881	0.6812	0.2731	1.0643	2.8561	251.7781	51.8200	38.0452	49.7474	0.7549		
Máximo	96.6880	0.9274	0.9559	1.7479	3.9110	256.1935	51.8200	38.5800	50.3400	1.7410		
Desv. Est.	1.35098	0.12140	0.16375	0.20056	0.52232	1.65769	0.00000	0.35306	0.66158	0.36575		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE