

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.
01/10/2016	93.5835	0.9681	0.8423	1.8104	4.3437	257.2736	21.9300	38.4800	50.0200	0.1852	<10.8	0.00
02/10/2016	93.1647	0.8187	1.5130	2.3316	4.2194	258.5072	31.8600	38.2700	49.7000	0.2667		
03/10/2016	93.1399	0.7609	1.7291	2.4900	4.1031	258.8879	54.3700	38.1600	49.5800	0.2664		
04/10/2016	93.0048	0.7355	1.9441	2.6796	4.0475	259.1906	50.0800	38.0700	49.4500	0.2573		
05/10/2016	94.1923	0.8101	0.9174	1.7274	3.8333	258.0618	27.7100	38.3700	50.0300	0.1723		
06/10/2016	95.1205	0.8820	0.2729	1.1549	3.4642	258.2037	16.4600	38.4800	50.3400	0.1162		
07/10/2016	95.1236	0.8801	0.2686	1.1487	3.4747	258.4240	16.2500	38.4800	50.3400	0.0951		
08/10/2016	95.1434	0.8392	0.2536	1.0929	3.5106	258.2042	16.3300	38.5100	50.3900	0.0803		
09/10/2016	95.2531	0.8343	0.2513	1.0856	3.4087	258.3141	16.3900	38.4900	50.3900	0.0615		
10/10/2016	95.3906	0.8184	0.2897	1.1081	3.2642	257.5572	17.2000	38.4300	50.3400	0.0788		
11/10/2016	95.3850	0.8450	0.2852	1.1302	3.2505	257.6449	12.3200	38.4100	50.3200	0.0891		
12/10/2016	95.4183	0.8762	0.2877	1.1640	3.1853	257.8232	11.3200	38.3800	50.2800	0.1254		
13/10/2016	95.3672	0.8573	0.3033	1.1606	3.2245	257.6279	18.3400	38.4100	50.3000	0.0998		
14/10/2016	95.2578	0.8669	0.3054	1.1724	3.3247	256.8186	16.5700	38.4300	50.3000	0.1000		
15/10/2016	95.3053	0.8681	0.3072	1.1753	3.2628	258.2147	16.0100	38.4200	50.2900	0.1062		
16/10/2016	95.2736	0.8513	0.2794	1.1307	3.3347	258.3138	16.7300	38.4500	50.3400	0.0828		
17/10/2016	95.1575	0.8309	0.2973	1.1282	3.4659	258.1268	21.2100	38.4800	50.3600	0.4199		
18/10/2016	95.1806	0.8403	0.2984	1.1388	3.4489	257.8391	21.8900	38.4800	50.3600	0.4792		
19/10/2016	95.0103	0.8723	0.2897	1.1621	3.5914	257.7965	23.4500	38.4900	50.3600	0.4289		
20/10/2016	95.1155	0.8662	0.2834	1.1497	3.4777	257.7974	25.6300	38.4700	50.3600	0.4831		
21/10/2016	95.2372	0.8447	0.2943	1.1390	3.3620	258.5932	24.3300	38.4500	50.3400	0.4695		
22/10/2016	95.2971	0.8418	0.2884	1.1301	3.3229	258.5916	23.7000	38.4400	50.3400	0.4711		
23/10/2016	95.2082	0.8473	0.2963	1.1435	3.4312	257.9585	24.0100	38.4600	50.3500	0.4994		
24/10/2016	95.2941	0.8497	0.2904	1.1400	3.3385	257.5257	23.1000	38.4300	50.3200	0.4832		
25/10/2016	95.2567	0.8498	0.2950	1.1448	3.3817	258.1639	21.4500	38.4400	50.3300	0.4525		
26/10/2016	95.3348	0.8089	0.3872	1.1961	3.2270	258.5018	21.1400	38.4000	50.2900	0.4470		
27/10/2016	95.0571	0.7750	0.5868	1.3617	3.3247	258.8849	30.8000	38.3600	50.1900	0.4756		
28/10/2016	94.9750	0.7884	0.4968	1.2852	3.4837	256.9985	26.9900	38.4200	50.2800	0.4688		
29/10/2016	94.7640	0.7530	0.6820	1.4349	3.5314	256.9998	28.4200	38.4000	50.1900	0.4903		
30/10/2016	94.9500	0.8004	0.5289	1.3293	3.4579	257.4341	26.0800	38.4100	50.2400	0.4672		
31/10/2016	95.3031	0.8201	0.3308	1.1508	3.3051	256.7000	22.3600	38.4300	50.3200	0.4315		

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

Mínimo	93.0048	0.7355	0.2513	1.0856	3.1853	256.7000	11.3200	38.0700	49.4500	0.0615		
Promedio	94.9118	0.8355	0.5063	1.3418	3.4968	257.9671	23.3687	38.4129	50.2271	0.2952		
Máximo	95.4183	0.9681	1.9441	2.6796	4.3437	259.1906	54.3700	38.5100	50.3900	0.4994		
Desv. Est.	0.70388	0.04507	0.44378	0.42236	0.29862	0.61869	9.24415	0.09360	0.23530	0.17474		

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.
01/10/2016	94.2050	1.1271	1.3510	2.2198	4.6271	260.4987	28.6800	38.7300	50.3800	0.2625		
02/10/2016	94.1262	1.0155	3.1606	3.7382	4.5197	260.8047	69.2400	38.7600	50.4400	0.8924		
03/10/2016	93.4952	0.8945	2.7009	3.3127	4.3302	261.7171	70.1400	38.4100	49.9300	0.4724		
04/10/2016	93.5251	0.9136	2.9855	3.4812	4.2108	261.4676	70.0400	38.3200	49.8300	0.3587		
05/10/2016	95.3513	0.9530	3.2228	3.6927	4.1177	260.1263	64.3000	38.6500	50.4200	0.3587		
06/10/2016	95.4489	0.9828	0.3006	1.2681	3.9875	262.8376	18.0100	38.6800	50.4700	0.1400		
07/10/2016	95.5874	0.9545	0.3069	1.2283	3.7608	261.3742	17.2100	38.5800	50.4300	0.1225		
08/10/2016	95.4648	0.8750	0.2840	1.1567	3.9515	262.9026	17.4100	38.6400	50.4700	0.1050		
09/10/2016	95.4496	0.8707	0.2743	1.1245	3.9413	262.3160	17.2100	38.6400	50.4700	0.0962		
10/10/2016	95.7866	0.8753	0.3286	1.1745	3.4855	261.9640	17.9100	38.4900	50.3900	0.1137		
11/10/2016	95.7792	0.9191	0.3279	1.2159	3.5192	262.9796	322.3300	38.5000	50.4000	0.1312		
12/10/2016	95.5401	0.9427	0.3132	1.2282	3.3269	260.6459	12.6800	38.4300	50.3400	0.1575		
13/10/2016	95.5209	0.9068	0.4400	1.3353	3.3869	265.8323	110.4900	38.4800	50.3500	0.1487		
14/10/2016	95.3820	0.9124	0.3319	1.2291	3.4908	261.4547	18.0100	38.4900	50.3500	0.1225		
15/10/2016	95.4662	0.9236	0.3405	1.2465	3.4033	260.9543	16.8100	38.5400	50.3800	0.1400		
16/10/2016	95.4313	0.9078	0.3089	1.1764	3.4249	263.0053	17.7100	38.5600	50.4200	0.1225		
17/10/2016	95.3267	0.8721	0.3228	1.1704	3.5810	264.0963	22.7400	38.5300	50.4100	0.5162		
18/10/2016	95.3673	0.8985	0.3311	1.1841	3.6245	261.3800	23.0400	38.5200	50.4000	0.5074		
19/10/2016	95.1734	0.9591	0.3140	1.2535	3.6898	261.4638	61.6900	38.5400	50.3900	0.5162		
20/10/2016	95.4064	0.9109	0.3037	1.2007	3.7190	262.4994	27.5700	38.5400	50.3900	0.5162		
21/10/2016	95.4170	0.8937	0.3265	1.1969	3.4820	264.1271	25.7600	38.4800	50.3800	0.4987		
22/10/2016	95.4846	0.9466	0.3158	1.2251	3.4326	263.5237	24.7600	38.4800	50.3700	0.4987		
23/10/2016	95.3602	0.8817	0.3262	1.1862	3.5903	262.5842	25.3600	38.5100	50.3900	1.7847		
24/10/2016	95.4928	0.9428	0.3143	1.2421	3.6580	262.4902	24.9600	38.5100	50.3700	0.7961		
25/10/2016	95.4970	0.9122	0.3267	1.2092	3.6181	264.5981	331.4800	38.5000	50.3600	0.6824		
26/10/2016	95.7600	0.8658	0.8807	1.6251	3.6319	262.1313	30.7900	38.5100	50.4000	0.5162		
27/10/2016	95.3287	0.8346	0.7463	1.5497	3.6535	264.8151	35.7200	38.4800	50.3400	0.5074		
28/10/2016	95.3510	0.8854	0.7081	1.4528	3.6365	262.9263	30.9900	38.5000	50.3900	0.5162		
29/10/2016	95.0955	0.8059	0.8866	1.6301	3.6542	260.2040	31.2000	38.5100	50.3500	0.5337		
30/10/2016	95.1986	0.8432	0.7691	1.5356	3.6185	271.4037	30.2900	38.6000	50.4200	0.5162		
31/10/2016	95.4717	0.8887	0.3580	1.2198	3.5852	260.1723	24.5500	38.5700	50.4200	0.4637		

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Mínimo	93.4952	0.8059	0.2743	1.1245	3.3269	260.1263	12.6800	38.3200	49.8300	0.0962		
Promedio	95.2352	0.9134	0.7809	1.6035	3.7309	262.5579	52.8735	38.5381	50.3629	0.4230		
Máximo	95.7866	1.1271	3.2228	3.7382	4.6271	271.4037	331.4800	38.7600	50.4700	1.7847		
Desv. Est.	0.58000	0.05890	0.91173	0.79632	0.32955	2.18393	76.45315	0.09097	0.13439	0.33540		

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.
01/10/2016	93.2643	0.8599	0.2523	1.2969	4.0585	255.0412	12.8800	38.2800	49.7500	0.1225		
02/10/2016	91.9361	0.5696	0.2377	1.2217	3.8652	253.6466	12.8800	37.6600	48.7900	0.0962		
03/10/2016	92.4173	0.6103	1.0743	1.9655	3.8531	255.8886	35.0200	37.8200	49.0500	0.1925		
04/10/2016	92.2606	0.4957	1.1912	2.0800	3.9038	256.5916	39.5500	37.7400	48.9500	0.1750		
05/10/2016	92.1656	0.4699	0.2294	1.0578	3.2918	254.9909	16.4000	37.6300	48.8100	0.0787		
06/10/2016	94.5709	0.8242	0.2310	1.0863	3.1667	252.6135	14.9900	38.3900	50.2400	0.0787		
07/10/2016	94.8058	0.8145	0.2409	1.0809	3.0375	255.1545	15.6000	38.3500	50.2600	0.0700		
08/10/2016	94.7097	0.8059	0.2250	1.0515	3.1992	255.3230	15.3000	38.4300	50.3400	0.0612		
09/10/2016	94.7203	0.8107	0.2256	1.0536	3.2076	256.2139	15.8000	38.4300	50.3300	0.0437		
10/10/2016	95.1484	0.7562	0.2475	1.0396	2.9000	254.1685	16.1000	38.3200	50.2800	0.0437		
11/10/2016	95.1231	0.7536	0.2584	1.0323	2.9041	254.7822	16.1000	38.3300	50.2400	0.0437		
12/10/2016	95.3119	0.8296	0.2674	1.1068	3.0445	254.6605	10.0600	38.3400	50.2200	0.0962		
13/10/2016	95.1643	0.8125	0.2718	1.1152	3.0432	253.2670	10.0600	38.3300	50.1700	0.0525		
14/10/2016	95.0421	0.8211	0.2784	1.1253	3.2097	252.5372	15.4000	38.3800	50.2400	0.0787		
15/10/2016	95.0691	0.8247	0.2612	1.1056	3.1248	254.2272	14.8900	38.3700	50.2300	0.0700		
16/10/2016	95.1785	0.8097	0.2366	1.0770	3.1977	254.3943	16.0000	38.4000	50.3000	0.0350		
17/10/2016	95.0120	0.8008	0.2744	1.0850	3.3127	255.3845	16.7100	38.4200	50.3100	0.0525		
18/10/2016	94.9681	0.8086	0.2614	1.0756	3.2612	254.8069	21.0300	38.4000	50.2900	0.4374		
19/10/2016	94.9073	0.8242	0.2552	1.1197	3.4175	253.7556	21.0300	38.4300	50.2500	0.4374		
20/10/2016	94.8251	0.8275	0.2586	1.1049	3.2112	254.6689	24.6600	38.4100	50.2900	0.4462		
21/10/2016	95.0853	0.7952	0.2503	1.0798	3.2587	255.2380	23.3500	38.4100	50.2900	0.4374		
22/10/2016	95.2022	0.8086	0.2647	1.0902	3.1637	255.4835	22.7400	38.4000	50.2500	0.4287		
23/10/2016	95.0644	0.8058	0.2689	1.0898	3.2683	254.3672	22.5400	38.4200	50.3000	0.4374		
24/10/2016	94.9622	0.7937	0.2530	1.0597	3.1694	254.4907	21.3300	38.3800	50.2600	0.4374		
25/10/2016	94.9728	0.8182	0.2539	1.0728	3.1289	253.5974	19.6200	38.3700	50.2800	0.3674		
26/10/2016	94.5111	0.7282	0.2539	1.0497	2.9071	253.9579	18.8200	38.3100	50.0800	0.4024		
27/10/2016	94.6779	0.7163	0.3370	1.1378	3.1087	255.5396	26.4700	38.3000	50.0800	0.4199		
28/10/2016	94.6748	0.7220	0.2539	1.0799	3.3256	253.6682	21.7400	38.3800	50.1700	0.4199		
29/10/2016	94.4605	0.7095	0.3916	1.1870	3.4209	253.1855	23.1500	38.3500	50.0900	0.4374		
30/10/2016	94.5745	0.7595	0.3124	1.1353	3.3615	254.0206	22.4400	38.3500	50.1200	0.3937		
31/10/2016	94.9413	0.7884	0.2742	1.1143	3.1396	253.3895	20.8300	38.3800	50.2600	0.3849		

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Mínimo	91.9361	0.4699	0.2250	1.0323	2.9000	252.5372	10.0600	37.6300	48.7900	0.0350		
Promedio	94.5073	0.7605	0.3191	1.1606	3.2730	254.4856	19.4674	38.2874	50.0490	0.2348		
Máximo	95.3119	0.8599	1.1912	2.0800	4.0585	256.5916	39.5500	38.4300	50.3400	0.4462		
Desv. Est.	0.97788	0.09714	0.22023	0.23689	0.28706	0.99826	6.35990	0.22997	0.46468	0.17516		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE