

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.
01/01/2018	97.1695	0.8123	0.1808	0.9930	1.6939	248.6003	42.7100	37.9800	50.1300	0.2115	<10.8	0.00
02/01/2018	97.1763	0.8016	0.1821	0.9837	1.6925	250.5683	38.6700	37.9800	50.1400	0.1777		
03/01/2018	97.0699	0.8213	0.1946	1.0151	1.7230	252.0205	38.0700	37.9700	50.1300	0.1914		
04/01/2018	97.1072	0.8218	0.1948	1.0166	1.7235	252.1321	30.4400	37.9700	50.1200	0.2106		
05/01/2018	96.7970	0.8204	0.1762	0.9966	1.9715	251.7775	31.7500	38.1100	50.2100	0.2612		
06/01/2018	96.7619	0.8456	0.1778	1.0234	2.0508	248.2040	31.5500	38.0600	50.1600	0.2539		
07/01/2018	96.7883	0.8290	0.1580	0.9869	2.0804	248.2342	34.1600	38.0800	50.2100	0.2597		
08/01/2018	96.4919	0.8293	0.1683	0.9976	2.3471	246.9161	35.8700	38.1600	50.2400	0.2214		
09/01/2018	96.5179	0.8037	0.2111	1.0148	2.2831	249.0427	31.8700	38.1700	50.2500	0.1853		
10/01/2018	96.6872	0.8082	0.2242	1.0325	2.0960	250.3972	31.6700	38.0900	50.1800	0.2465		
11/01/2018	96.7893	0.7786	0.2386	1.0171	1.9948	250.7316	27.6100	38.0800	50.2100	0.2466		
12/01/2018	96.8937	0.7108	0.2267	0.9375	2.0066	249.3585	23.1600	38.1000	50.2500	0.1938		
13/01/2018	97.2059	0.7185	0.2089	0.9274	1.7166	247.2999	21.0600	38.0000	50.2100	0.1827		
14/01/2018	97.2193	0.7660	0.2187	0.9846	1.6557	247.7773	20.3500	37.9800	50.1400	0.1797		
15/01/2018	97.1919	0.7969	0.1926	0.9896	1.6796	248.1241	21.2800	37.9800	50.1300	0.1836		
16/01/2018	97.2215	0.7844	0.1812	0.9656	1.6902	249.5813	23.9600	37.9900	50.1500	0.1965		
17/01/2018	97.0569	0.7833	0.1914	0.9748	1.8277	248.5508	27.5100	38.0100	50.1800	0.1786		
18/01/2018	96.8175	0.7900	0.2104	1.0004	1.9923	249.7209	29.7800	38.0800	50.2000	0.1926		
19/01/2018	96.7271	0.7588	0.2137	0.9725	2.1042	249.0357	27.1300	38.1300	50.2400	0.2163		
20/01/2018	96.6766	0.7735	0.2167	0.9902	2.1860	247.8551	27.3300	38.1200	50.2300	0.2402		
21/01/2018	96.5563	0.7391	0.2358	0.9749	2.2813	248.0585	33.6000	38.1600	50.2500	0.2020		
22/01/2018	96.6417	0.7591	0.2377	0.9968	2.1479	250.7270	37.1700	38.1400	50.2500	0.1883		
23/01/2018	96.7687	0.7218	0.2164	0.9382	2.0928	250.7682	34.8200	38.1400	50.2800	0.1725		
24/01/2018	96.8712	0.7035	0.2303	0.9338	2.0238	248.4364	30.8200	38.1100	50.2700	0.1668		
25/01/2018	97.1409	0.7191	0.2173	0.9364	1.7673	246.8076	26.9600	38.0100	50.1900	0.0368		
26/01/2018	97.0100	0.7205	0.2281	0.9487	1.8572	247.2591	26.1100	38.0300	50.2200	0.1035		
27/01/2018	96.8000	0.7354	0.2508	0.9862	2.0469	248.6850	25.8100	38.0900	50.2300	0.1333		
28/01/2018	96.9887	0.7108	0.2341	0.9449	1.9131	247.7102	24.9700	38.0600	50.2300	0.1185		
29/01/2018	97.0250	0.7014	0.2231	0.9243	1.8606	246.4611	24.2900	38.0300	50.2400	0.0732		
30/01/2018	97.0584	0.6997	0.2210	0.9207	1.8606	245.7946	25.9400	38.0500	50.2400	0.1041		
31/01/2018	97.0584	0.6997	0.2210	0.9207	1.8606	245.7946	23.6800	38.0500	50.2400	0.1414		

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

Mínimo	96.4919	0.6997	0.1580	0.9207	1.6557	245.7946	20.3500	37.9700	50.1200	0.0368		
Promedio	96.9125	0.7666	0.2091	0.9757	1.9428	248.7881	29.3581	38.0616	50.2048	0.1829		
Máximo	97.2215	0.8456	0.2508	1.0325	2.3471	252.1321	42.7100	38.1700	50.2800	0.2612		
Desv. Est.	0.22213	0.04677	0.02348	0.03367	0.19877	1.73158	5.64796	0.06330	0.04668	0.05421		

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.
01/01/2018	97.2873	0.8770	0.2051	1.0700	1.7648	252.3855	52.3800	38.0000	50.2000	0.2811		
02/01/2018	97.2508	0.8597	0.1964	1.0458	2.0628	256.6602	62.2300	38.0900	50.2400	0.2721		
03/01/2018	97.1441	0.8218	0.1963	1.0166	1.7459	252.2377	324.4300	37.9800	50.1500	0.2901		
04/01/2018	97.1072	0.8218	0.1948	1.0166	1.7235	252.1321	32.6800	37.9700	50.1200	0.3261		
05/01/2018	97.1072	0.8864	0.2011	1.0833	2.1986	259.6792	322.1200	38.2900	50.3100	0.3532		
06/01/2018	96.9768	0.9240	0.2025	1.1173	2.1888	254.6172	33.8900	38.1200	50.2200	0.3442		
07/01/2018	96.9367	0.9218	0.1755	1.0810	2.2886	255.3342	327.6500	38.1700	50.2800	0.3712		
08/01/2018	96.6930	0.9178	0.2337	1.0767	2.6078	255.3481	51.1700	38.2400	50.2800	0.3442		
09/01/2018	96.7959	0.8471	0.2533	1.0497	2.7945	257.6984	33.4900	38.5000	50.4200	0.2811		
10/01/2018	96.8147	0.8362	0.2526	1.0729	2.2409	257.2542	33.5900	38.1300	50.2200	0.3261		
11/01/2018	96.9554	0.8423	0.2681	1.0847	2.2751	256.4972	31.6800	38.1700	50.2800	0.3351		
12/01/2018	97.0616	0.7572	0.2637	1.0065	2.2204	256.7062	25.7500	38.1700	50.2900	0.3081		
13/01/2018	97.4292	0.7417	0.2399	0.9645	1.8882	254.3403	22.6300	38.0500	50.2400	0.2631		
14/01/2018	97.3390	0.8012	0.2375	1.0215	1.7478	255.7955	21.5300	37.9900	50.2000	0.2360		
15/01/2018	97.2623	0.8349	0.2194	1.0336	1.7710	256.7883	22.4300	37.9900	50.1700	0.2811		
16/01/2018	97.2482	0.8069	0.2016	0.9933	1.7667	256.0144	25.6500	38.0100	50.1800	0.2901		
17/01/2018	97.1881	0.8302	0.2101	1.0306	1.9962	255.3224	29.3700	38.0800	50.2500	0.2180		
18/01/2018	97.0942	0.8220	0.2461	1.0590	2.3133	255.2430	30.9700	38.2600	50.2900	0.2631		
19/01/2018	97.0613	0.8372	0.2444	1.0770	2.4158	255.5073	29.3700	38.3000	50.3200	0.3261		
20/01/2018	96.8863	0.9420	0.2396	1.1547	2.4142	253.7166	30.1700	38.2100	50.2900	1.3443		
21/01/2018	96.7422	0.7972	0.2632	1.0279	2.4838	253.1246	60.0200	38.2300	50.3200	0.3442		
22/01/2018	96.8218	0.8004	0.2607	1.0462	2.4479	253.6151	39.5200	38.2100	50.2900	0.2721		
23/01/2018	97.0603	0.8068	0.2704	1.0233	2.5243	257.1143	36.6000	38.4400	50.4700	0.2811		
24/01/2018	97.4086	0.7687	0.2883	1.0191	2.4384	254.3092	32.9800	38.4600	50.4700	0.2360		
25/01/2018	97.2953	0.7591	0.2579	0.9914	1.9325	250.8152	33.3900	38.1800	50.3300	0.3171		
26/01/2018	97.0986	0.7692	0.2674	0.9883	1.9972	252.5642	26.9500	38.0800	50.2600	0.1639		
27/01/2018	96.9260	0.7724	0.2673	1.0214	2.1637	252.8168	26.9500	38.1500	50.2700	0.1910		
28/01/2018	97.1095	0.7590	0.2638	1.0068	2.1295	250.8659	26.0500	38.1100	50.2800	0.2090		
29/01/2018	97.1107	0.7487	0.2511	0.9688	1.9236	250.1932	331.1700	38.0600	50.2700	0.1369		
30/01/2018	97.0584	0.6997	0.2210	0.9207	1.8606	245.7946	27.0500	38.0500	50.2400	0.1549		
31/01/2018	97.0584	0.6997	0.2210	0.9207	1.8606	245.7946	25.3500	38.0500	50.2400	0.2000		

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Mínimo	96.6930	0.6997	0.1755	0.9207	1.7235	245.7946	21.5300	37.9700	50.1200	0.1369		
Promedio	97.0751	0.8165	0.2359	1.0319	2.1351	254.0737	71.2648	38.1529	50.2706	0.3084		
Máximo	97.4292	0.9420	0.2883	1.1547	2.7945	259.6792	331.1700	38.5000	50.4700	1.3443		
Desv. Est.	0.19040	0.06251	0.02925	0.05143	0.29418	3.13194	100.31883	0.14017	0.07929	0.20190		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.

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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.
01/01/2018	97.0141	0.7613	0.1581	0.9213	1.5981	245.8233	37.3100	37.9300	50.0800	0.1730		
02/01/2018	96.8387	0.7522	0.1589	0.9156	1.6221	246.5610	36.0000	37.9200	50.0700	0.0919		
03/01/2018	97.1066	0.8008	0.1800	0.9809	1.7180	249.5070	36.0000	37.9700	50.1200	0.0919		
04/01/2018	97.1072	0.8218	0.1948	1.0166	1.7235	252.1321	28.1600	37.9700	50.1200	0.1369		
05/01/2018	96.4159	0.7531	0.1486	0.9328	1.7101	243.8767	28.1600	37.9700	50.1200	0.1369		
06/01/2018	96.5765	0.8087	0.1465	0.9820	1.8837	243.4316	27.8600	38.0100	50.0900	0.1730		
07/01/2018	96.5541	0.7828	0.1400	0.9391	1.8829	243.0411	27.8600	37.9800	50.0800	0.1730		
08/01/2018	96.1995	0.7863	0.1465	0.9567	2.1793	243.7643	27.7600	38.1100	50.1600	0.1730		
09/01/2018	95.7062	0.7629	0.1701	0.9656	2.0421	243.9014	30.4700	38.0700	50.1800	0.0919		
10/01/2018	96.4922	0.7771	0.1859	0.9734	2.0077	246.1362	28.4600	38.0600	50.1600	0.1459		
11/01/2018	96.4456	0.7171	0.2195	0.9541	1.8505	247.3010	24.8400	38.0200	50.1500	0.1459		
12/01/2018	96.5851	0.6814	0.2047	0.8913	1.8137	244.5749	21.2300	38.0200	50.1900	0.1099		
13/01/2018	97.0247	0.6975	0.1783	0.8822	1.5417	242.6526	19.7200	37.9500	50.1800	0.1009		
14/01/2018	97.0904	0.7219	0.1964	0.9234	1.5478	242.8727	19.4200	37.9100	50.1000	0.1279		
15/01/2018	97.0330	0.7649	0.1739	0.9506	1.6040	243.7097	19.7200	37.9400	50.1000	0.1189		
16/01/2018	97.0883	0.7649	0.1723	0.9454	1.6337	245.1436	21.0200	37.9700	50.1500	0.1369		
17/01/2018	96.8764	0.7366	0.1760	0.9227	1.6924	244.1995	25.3500	37.9700	50.1400	0.1369		
18/01/2018	96.3430	0.7488	0.1702	0.9300	1.7839	245.8204	28.5600	37.9900	50.1400	0.1369		
19/01/2018	96.2153	0.6864	0.1646	0.8609	1.9086	244.0827	24.8400	38.0400	50.1800	0.1279		
20/01/2018	96.4183	0.7250	0.1823	0.9312	1.9688	244.3985	24.9400	38.0600	50.0900	0.1279		
21/01/2018	96.3278	0.6839	0.2175	0.9401	2.1446	244.9307	24.3400	38.1000	50.2000	0.1099		
22/01/2018	96.3426	0.7103	0.2053	0.9529	1.9758	246.8819	35.4000	38.1000	50.1900	0.1099		
23/01/2018	96.0997	0.6752	0.1910	0.8846	1.8288	246.8186	32.0800	38.0200	50.1600	0.1009		
24/01/2018	96.1022	0.6595	0.1883	0.8544	1.5784	244.3031	28.9600	37.9700	50.1700	0.0828		
25/01/2018	96.8680	0.6794	0.1914	0.8883	1.6304	244.0992	25.0400	37.9500	50.1600	0.0828		
26/01/2018	96.8821	0.6836	0.1848	0.9019	1.8065	244.2331	25.1400	38.0000	50.1700	0.0468		
27/01/2018	96.6281	0.6856	0.2320	0.9261	1.9410	245.7878	24.6400	38.0400	50.1800	0.0919		
28/01/2018	96.7086	0.6712	0.2165	0.8986	1.8306	243.6203	23.5400	38.0200	50.1700	0.0558		
29/01/2018	96.9900	0.6636	0.1917	0.8966	1.7921	244.4384	23.5400	38.0000	50.1800	0.0558		
30/01/2018	97.0584	0.6997	0.2210	0.9207	1.8606	245.7946	24.3400	38.0500	50.2400	0.0558		
31/01/2018	97.0584	0.6997	0.2210	0.9207	1.8606	245.7946	22.0300	38.0500	50.2400	0.1009		

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

Mínimo	95.7062	0.6595	0.1400	0.8544	1.5417	242.6526	19.4200	37.9100	50.0700	0.0468		
Promedio	96.6515	0.7278	0.1848	0.9278	1.8052	245.1494	26.6687	38.0052	50.1503	0.1145		
Máximo	97.1072	0.8218	0.2320	1.0166	2.1793	252.1321	37.3100	38.1100	50.2400	0.1730		
Desv. Est.	0.37579	0.04692	0.02464	0.03651	0.16927	1.98108	4.86801	0.05391	0.04446	0.03574		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE.