



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.
01/01/2017	95.0584	0.6456	1.3048	1.9503	2.7286	258.2700	83.6800	37.9700	49.7400	1.8852	<10.8	0.00
02/01/2017	93.2204	0.4437	3.2483	3.6918	2.8214	260.8969	83.6800	37.3500	48.6400	3.3457		
03/01/2017	94.1589	0.6072	2.0159	2.6231	2.9580	258.6936	83.6800	37.7800	49.3300	2.4006		
04/01/2017	93.6451	0.5478	2.5698	3.1175	2.9831	259.8636	83.6800	37.6000	49.0300	2.5887		
05/01/2017	93.8006	0.5839	2.1753	2.7592	3.1906	257.0784	83.6800	37.7900	49.2800	2.2848		
06/01/2017	92.5285	0.4700	3.2138	3.6838	3.5307	257.9936	52.4600	37.5400	48.7500	2.5819		
07/01/2017	95.6340	0.7433	0.6965	1.4398	2.6781	258.2692	23.2500	38.1400	50.0400	1.3405		
08/01/2017	93.7149	0.5598	2.3051	2.8647	3.1552	258.4244	45.1100	37.7500	49.2200	2.0499		
09/01/2017	93.0785	0.4925	2.7314	3.2238	3.4202	258.2456	51.3700	37.7000	49.0500	2.2580		
10/01/2017	91.6902	0.4282	3.6667	4.0947	3.8673	257.1567	46.5600	37.5300	48.5900	2.2796		
11/01/2017	94.4575	0.5819	1.6550	2.2369	3.0511	256.6274	35.5700	37.9500	49.6100	1.7131		
12/01/2017	94.4541	0.6587	1.3946	2.0532	3.2277	255.9193	32.7600	38.0700	49.7500	1.4998		
13/01/2017	93.7962	0.7018	1.2599	1.9617	3.9688	257.3014	29.7900	38.3300	49.9300	1.4021		
14/01/2017	94.2965	0.8443	0.3589	1.2032	4.2133	254.9800	17.7900	38.6700	50.4400	1.2392		
15/01/2017	95.4491	0.8457	0.2531	1.0987	3.1946	255.1629	17.3600	38.4200	50.3400	1.3426		
16/01/2017	94.6230	0.7170	1.1396	1.8565	3.2630	257.1734	20.8600	38.1500	49.8700	1.6032		
17/01/2017	95.5709	0.8089	0.3525	1.1614	2.9144	256.5060	21.7400	38.3700	50.2900	1.3788		
18/01/2017	95.6338	0.7971	0.3450	1.1422	2.9610	255.6108	23.3200	38.3500	50.2900	1.3162		
19/01/2017	95.8087	0.7658	0.2685	1.0343	2.9214	254.3878	20.6600	38.3600	50.3500	1.2690		
20/01/2017	95.6478	0.8037	0.2482	1.0518	3.0331	254.3513	22.3800	38.3800	50.3700	1.3491		
21/01/2017	96.4193	0.6786	0.2296	0.9081	2.4417	255.0642	19.8000	38.2500	50.3700	0.7024		
22/01/2017	96.5471	0.6541	0.2171	0.8711	2.3868	254.7344	19.9900	38.2500	50.3800	0.6151		
23/01/2017	96.7750	0.6256	0.2171	0.8427	2.1928	254.3923	16.6400	38.1700	50.3700	0.4226		
24/01/2017	96.1468	0.7210	0.2266	0.9477	2.7083	253.7824	17.9800	38.3000	50.3800	1.0015		
25/01/2017	95.9636	0.7508	0.2293	0.9801	2.8650	253.0022	18.2300	38.3200	50.3700	1.1055		
26/01/2017	95.7685	0.7947	0.2301	1.0249	3.0223	254.0447	17.9900	38.3600	50.3600	1.2327		
27/01/2017	95.7484	0.7567	0.2342	0.9909	3.0565	253.7324	17.8700	38.3800	50.3900	1.2673		
28/01/2017	94.9389	0.8294	0.2326	1.0619	3.8057	253.4139	17.1000	38.5600	50.4300	1.4825		
29/01/2017	94.3344	0.9078	0.2381	1.1458	4.3305	252.5005	16.1900	38.6800	50.4500	1.5206		
30/01/2017	94.1374	1.0161	0.2434	1.2596	4.3894	253.5287	16.1200	38.6700	50.3800	1.6006		
31/01/2017	94.1552	1.0436	0.2187	1.2624	4.3836	253.5442	14.0000	38.6500	50.3600	1.3375		

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

Mínimo	91.6902	0.4282	0.2171	0.8427	2.1928	252.5005	14.0000	37.3500	48.5900	0.4226		
Promedio	94.7484	0.7040	1.0877	1.7917	3.2150	255.9565	34.5577	38.1545	49.9081	1.5941		
Máximo	96.7750	1.0436	3.6667	4.0947	4.3894	260.8969	83.6800	38.6800	50.4500	3.3457		
Desv. Est.	1.23204	0.15279	1.10641	0.98216	0.58732	2.18894	24.30714	0.36994	0.61216	0.63255		

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.
01/01/2017	96.1775	0.7835	6.6229	6.6849	3.1649	263.0913	62.4900	38.3300	50.3500	4.1556		
02/01/2017	95.1661	0.6615	4.6232	4.9162	3.0810	267.1708	62.4900	37.8900	49.4900	5.4241		
03/01/2017	95.6660	0.8527	4.2843	4.6092	3.1582	262.0194	62.4900	38.3900	50.3400	4.7592		
04/01/2017	95.7635	0.7905	3.8571	4.2637	3.1562	264.1909	62.4900	38.3400	50.3300	3.6919		
05/01/2017	95.9329	0.8213	4.1146	4.5178	4.3782	262.5743	62.4900	38.3500	50.3500	4.1468		
06/01/2017	95.4348	0.7351	5.0210	5.3538	4.8042	264.2022	62.4900	38.0900	49.9700	3.5257		
07/01/2017	96.1553	0.8362	3.4720	3.9579	3.0357	264.8654	35.8300	38.3100	50.3300	2.4496		
08/01/2017	95.7386	0.7832	3.7836	4.2050	3.5186	264.4207	63.1000	38.3500	50.3300	2.9570		
09/01/2017	95.0986	0.6957	6.6079	6.7819	4.3237	262.2455	61.5900	38.1900	49.9500	3.4557		
10/01/2017	95.7686	0.7924	7.2373	7.3140	4.8682	261.4906	58.5700	38.4100	50.3900	3.1407		
11/01/2017	96.1948	0.7396	3.7786	4.2012	3.4362	263.4604	58.7700	38.4000	50.4700	2.5021		
12/01/2017	96.0199	0.9484	3.2502	3.6938	4.2704	262.3545	53.1300	38.5100	50.4400	2.2571		
13/01/2017	95.4978	0.8761	2.3290	2.9602	4.3189	261.4521	323.1300	38.7700	50.5800	1.7410		
14/01/2017	94.5835	0.8995	2.0919	2.6698	4.5552	260.1487	34.3200	38.8300	50.5700	1.5660		
15/01/2017	95.7669	0.9089	0.2883	1.1603	4.3508	263.1883	19.9300	38.7700	50.5400	1.5660		
16/01/2017	95.8174	0.8900	2.7109	3.2339	4.5208	261.6553	29.2800	38.8100	50.5600	2.4233		
17/01/2017	95.8466	0.8584	1.7573	2.3947	3.1130	264.4878	29.9900	38.4800	50.3900	1.7235		
18/01/2017	95.8540	0.8491	1.9013	2.5587	3.1798	261.9229	323.1300	38.4600	50.3700	1.8547		
19/01/2017	95.9595	0.7869	0.2925	1.0710	3.0138	260.2821	27.8800	38.4000	50.4000	1.4785		
20/01/2017	95.9636	0.8659	0.2805	1.1074	3.2135	261.5749	35.9300	38.4300	50.4000	1.6097		
21/01/2017	97.0915	0.8445	0.2798	1.0872	3.2348	266.1287	28.0800	38.4400	50.4200	1.5047		
22/01/2017	96.8983	0.8080	0.2421	1.0451	3.2031	258.3503	331.4800	38.4100	50.4300	1.3910		
23/01/2017	96.9206	0.6681	0.2559	0.9117	2.4417	259.9171	21.7400	38.2500	50.4400	0.5074		
24/01/2017	96.8399	0.7766	0.2516	1.0154	2.8852	261.0187	20.5300	38.3400	50.4100	1.2510		
25/01/2017	96.1271	0.7760	0.2431	1.0144	3.0270	264.1596	322.8300	38.3700	50.3900	1.3298		
26/01/2017	96.0916	0.8693	0.2442	1.1063	3.1777	257.3529	19.2200	38.4300	50.4300	1.4260		
27/01/2017	95.8863	0.8407	0.2512	1.0762	3.2050	267.0212	19.2200	38.4600	50.4400	1.4698		
28/01/2017	95.9283	0.9224	0.2603	1.1569	4.6870	269.1330	18.8200	38.8100	50.5600	1.8022		
29/01/2017	94.9250	1.0211	0.2646	1.2726	4.5636	266.5993	17.8100	38.7600	50.5200	1.7497		
30/01/2017	94.2996	1.0586	0.2660	1.3158	4.5820	266.1229	17.2100	38.7300	50.4100	1.8459		
31/01/2017	94.2618	1.0990	0.2280	1.3195	4.6139	259.5668	331.4800	38.7300	50.4000	1.7760		

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Mínimo	94.2618	0.6615	0.2280	0.9117	2.4417	257.3529	17.2100	37.8900	49.4900	0.5074		
Promedio	95.7960	0.8406	2.2933	2.9025	3.7123	262.9732	86.3852	38.4594	50.3677	2.3381		
Máximo	97.0915	1.0990	7.2373	7.3140	4.8682	269.1330	331.4800	38.8300	50.5800	5.4241		
Desv. Est.	0.68268	0.10119	2.23339	1.97196	0.73269	2.71952	108.39032	0.22445	0.21341	1.16735		

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.
01/01/2017	89.8735	0.0620	0.2469	0.9853	2.5664	254.2063	28.0800	36.3100	46.8200	1.2423		
02/01/2017	91.6966	0.2930	1.7296	2.3577	2.2354	257.0830	28.0800	36.9800	47.9200	1.7497		
03/01/2017	92.1592	0.3249	0.2277	1.0625	2.6988	254.4680	28.0800	37.0300	48.0800	1.7497		
04/01/2017	92.4076	0.4035	0.2592	1.0463	2.7612	253.3247	28.0800	37.1800	48.3000	1.3298		
05/01/2017	91.6582	0.4008	0.2109	0.9893	2.8761	252.2672	28.0800	37.1200	48.1800	1.3298		
06/01/2017	90.2260	0.3180	0.9508	1.5899	2.7203	253.7617	28.0800	36.8200	47.6400	1.3735		
07/01/2017	92.7547	0.4842	0.2044	0.9950	2.5384	252.8430	17.1100	37.2900	48.4800	0.9711		
08/01/2017	92.0267	0.4017	0.2919	1.0666	2.8261	254.3528	17.4100	37.2800	48.4000	1.2335		
09/01/2017	89.4881	0.1739	0.9673	1.6630	2.8970	255.5536	26.3700	36.3600	46.7900	1.3560		
10/01/2017	88.7998	0.0767	0.2148	1.0037	2.9483	254.4676	17.9100	36.1800	46.4800	1.3648		
11/01/2017	92.0887	0.4201	0.2050	0.8742	2.7103	250.0110	16.1000	37.3000	48.4100	1.1636		
12/01/2017	91.9605	0.4291	0.2112	0.8982	2.8511	250.6362	15.4000	37.5400	48.7800	1.0323		
13/01/2017	93.0687	0.5934	0.2101	1.0264	2.9959	253.3066	15.4000	37.8700	49.2300	1.0323		
14/01/2017	92.8786	0.5779	0.1954	1.0374	3.8959	251.2109	10.9700	38.0700	49.5000	0.7349		
15/01/2017	94.2818	0.8007	0.2040	1.0546	2.9228	250.8207	11.4700	38.3400	50.2600	0.9711		
16/01/2017	93.2413	0.5211	0.1978	1.0401	2.8964	252.9842	11.2700	37.6200	48.9900	0.9711		
17/01/2017	94.2443	0.6338	0.2491	1.0643	2.8102	252.9637	13.4800	37.9100	49.5000	1.1636		
18/01/2017	94.0830	0.6575	0.2554	1.0263	2.8102	250.8921	13.4800	37.8400	49.3900	1.1636		
19/01/2017	95.6657	0.7332	0.2432	0.9764	2.7979	250.8360	13.1800	38.3300	50.3200	0.9886		
20/01/2017	95.4498	0.7318	0.2252	0.9755	2.7999	250.6576	3.9200	38.3400	50.3100	1.0936		
21/01/2017	95.4414	0.5316	0.1949	0.7727	1.9543	250.8214	12.4800	38.1400	50.3000	0.3674		
22/01/2017	95.5662	0.5757	0.1729	0.7687	2.1142	251.3436	12.4800	38.1600	50.3300	0.3674		
23/01/2017	96.5498	0.5854	0.1609	0.7538	2.0736	249.8219	13.4800	38.1400	50.3100	0.3499		
24/01/2017	95.9346	0.6186	0.1874	0.8102	2.1497	249.2934	13.3800	38.1800	50.3200	0.4024		
25/01/2017	95.7984	0.7228	0.2102	0.9345	2.7542	249.5207	13.3800	38.3000	50.3300	0.4024		
26/01/2017	95.5786	0.7320	0.2099	0.9498	2.7747	250.7110	16.7100	38.2900	50.2800	0.9186		
27/01/2017	95.5676	0.7108	0.2109	0.9266	2.9563	249.6237	16.3000	38.3300	50.3000	1.0673		
28/01/2017	94.0069	0.7453	0.2093	0.9756	2.8856	249.3623	15.3000	38.3200	50.2900	1.1985		
29/01/2017	94.0990	0.8234	0.2091	1.0496	3.8235	249.0005	14.6900	38.5600	50.3400	1.2948		
30/01/2017	93.8775	0.9813	0.2108	1.2227	4.2568	249.1764	14.6900	38.6100	50.3100	1.3648		
31/01/2017	93.9244	1.0110	0.1994	1.2224	4.2725	249.5811	14.6900	38.6100	50.3000	1.3648		

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Mínimo	88.7998	0.0620	0.1609	0.7538	1.9543	249.0005	3.9200	36.1800	46.4800	0.3499		
Promedio	93.3677	0.5508	0.3121	1.0684	2.8572	251.7711	17.0816	37.7210	49.1997	1.0682		
Máximo	96.5498	1.0110	1.7296	2.3577	4.2725	257.0830	28.0800	38.6100	50.3400	1.7497		
Desv. Est.	2.05716	0.23341	0.32296	0.30832	0.55316	2.14481	6.42986	0.70874	1.23064	0.37484		

Observaciones: DATOS OBTENIDOS DE LOS ANALIZADORES PROPIEDAD DE ENGIE