

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

(Valores promedio diarios)



**PERMISIONARIO:** Gasoducto del Rio  
**PUNTO DE MEDICIÓN:** Estación Brasil  
**ZONA DE MEDICIÓN:** RESTO DEL PAÍS

FECHA: (dd/mm/aa)	Metano (% vol)	Bióxido de Carbono (% vol)	Nitrógeno (% vol)	Total Inertes (% vol)	Etano (% vol)	Temperatura de Rocío (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)
01/12/2013	97.8674	0.5952	0.1562	0.7514	1.2681	230.4078	9.8991	37.9521	50.3246	2.3502	1.4107856	0.0048
02/12/2013	98.0796	0.4922	0.1609	0.6531	1.1505	228.4182	9.3015	37.9545	50.3961	2.0191		
03/12/2013	95.9786	0.5261	0.1633	0.6895	2.8130	230.3216	11.7382	38.6533	50.7685	2.4861		
04/12/2013	95.4009	0.7593	0.1734	0.9326	3.1463	233.4955	12.0849	38.6672	50.6073	2.2895		
05/12/2013	95.2570	0.6721	0.1612	0.8333	3.3106	238.3580	12.8355	38.7989	50.7475	2.6296		
06/12/2013	95.2186	0.6519	0.1671	0.8190	3.3758	226.3953	11.3752	38.8068	50.7635	2.3522		
07/12/2013	95.2744	0.6535	0.1580	0.8115	3.3090	220.8184	7.7823	38.7995	50.7634	2.1654		
08/12/2013	96.8767	0.7496	0.1684	0.9180	1.9878	231.1660	7.4198	38.1615	50.3288	1.6829		
09/12/2013	97.1711	0.7061	0.1772	0.8834	1.8187	216.2407	6.9929	38.0643	50.3002	2.0191		
10/12/2013	97.4054	0.7019	0.1789	0.8809	1.5931	214.3247	6.7672	37.9975	50.2643	1.8275		
11/12/2013	97.0157	0.7767	0.1753	0.9520	1.9171	215.8302	7.9333	38.0591	50.2484	1.4313		
12/12/2013	97.1125	0.7427	0.1702	0.9130	1.8639	216.9646	7.9664	38.0556	50.2729	1.4626		
13/12/2013	97.4646	0.6575	0.1743	0.8318	1.5978	222.1115	8.4142	38.0076	50.3037	1.5163		
14/12/2013	97.6479	0.6741	0.1753	0.8494	1.4005	224.0278	8.9665	37.9424	50.2535	1.6370		
15/12/2013	97.8765	0.5860	0.1710	0.7570	1.2673	220.3620	9.0647	37.9370	50.3159	1.6375		
16/12/2013	97.5449	0.6798	0.1838	0.8636	1.4828	219.0024	9.1070	37.9634	50.2582	2.1699		
17/12/2013	96.3737	0.7801	0.1886	0.9687	2.4916	219.4066	8.5419	38.2508	50.3495	1.5586		
18/12/2013	95.3780	0.9587	0.1750	1.1336	3.2647	226.1286	9.3466	38.4457	50.3423	1.2662		
19/12/2013	95.0499	0.9978	0.1788	1.1767	3.4279	235.4966	10.5032	38.5627	50.3795	1.4288		
20/12/2013	95.0775	0.9414	0.1761	1.1175	3.4956	238.0833	10.5954	38.5788	50.4291	1.3733		
21/12/2013	95.6520	0.7876	0.1807	0.9683	3.1176	230.7401	11.3335	38.4900	50.4846	1.3735		
22/12/2013	96.6133	0.6591	0.1738	0.8329	2.2915	237.0602	11.3664	38.3200	50.4801	1.6771		
23/12/2013	96.9505	0.6479	0.1739	0.8219	2.0750	232.5652	10.1622	38.1840	50.4111	1.7783		
24/12/2013	97.5452	0.5835	0.1724	0.7559	1.5681	226.2343	8.4776	38.0468	50.3795	1.5202		
25/12/2013	97.5452	0.5835	0.1724	0.7559	1.5681	226.2343	8.4776	38.0468	50.3795	1.5202		
26/12/2013	98.2945	0.3393	0.1847	0.5240	0.9777	238.2967	9.1586	38.0296	50.5379	1.1804		
27/12/2013	98.4639	0.3701	0.1758	0.5460	0.9027	223.6410	8.1856	37.9064	50.4506	1.3343		
28/12/2013	97.4251	0.6799	0.1901	0.8700	1.5777	225.0534	8.9651	38.0033	50.2772	2.4412		
29/12/2013	98.4099	0.3560	0.1739	0.5299	0.9396	228.9534	9.1814	37.9483	50.4855	1.9318		
30/12/2013	97.8861	0.3895	0.1731	0.5626	1.3568	223.6973	8.5380	38.1002	50.5476	1.8046		
31/12/2013	97.0819	0.5373	0.1822	0.7196	1.8886	221.6831	7.2266	38.2638	50.5304	2.7761		

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

Mínimo	95.0499	0.3393	0.1562	0.5240	0.9027	214.3247	6.7672	37.9064	50.2484	1.1804		
Promedio	96.8690	0.6528	0.1737	0.8265	2.0724	226.5006	9.2809	38.2257	50.4316	1.8271		
Máximo	98.4639	0.9978	0.1901	1.1767	3.4956	238.3580	12.8355	38.8068	50.7685	2.7761		
Desv. Est.	1.094878931	0.16228732	0.008152967	0.16367889	0.851489393	7.007570679	1.565651049	0.297568279	0.160556197	0.437676648		

Observaciones:

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Registros máximos diarios)



PERMISIONARIO:  
PUNTO DE MEDICIÓN:  
ZONA DE MEDICIÓN:

Gasoducto del Rio  
Estación Brasil

RESTO DEL PAÍS

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 Sulhídrico (mg/m <sup>3</sup> )
01/12/2013	98.3170	0.7240	0.1716	0.8818	1.6017	237.3116	13.1706	38.0576	50.4347	3.5183
02/12/2013	98.3943	0.6199	0.1826	0.7750	3.1010	234.3870	15.0152	38.2090	50.4769	2.7323
03/12/2013	98.2497	0.8541	0.1768	1.0266	3.8963	237.1575	17.2930	39.0948	50.9900	3.3611
04/12/2013	96.1876	0.9173	0.2078	1.0909	3.4324	248.7628	15.7288	38.8688	50.7736	2.8746
05/12/2013	97.0999	0.7508	0.2119	0.9146	3.8774	244.3121	19.6444	39.0212	50.9102	3.0243
06/12/2013	97.3730	0.7676	0.1951	0.9358	4.3472	235.4342	16.5219	39.4260	51.2833	2.8970
07/12/2013	97.1023	0.7598	0.1711	0.9183	3.9390	231.9463	9.6581	39.1812	51.0591	2.9869
08/12/2013	97.2419	0.7943	0.1816	0.9605	3.1181	254.7843	9.5084	38.6869	50.6248	2.1559
09/12/2013	97.8305	0.8397	0.1915	1.0103	2.0709	223.5404	9.0920	38.1340	50.4486	2.8521
10/12/2013	98.3228	0.9274	0.1939	1.1159	1.9073	225.2659	9.3535	38.1227	50.4023	2.3655
11/12/2013	97.3674	0.9235	0.2008	1.1077	2.1356	222.0442	8.3971	38.1926	50.4703	2.5227
12/12/2013	97.3879	0.8320	0.1871	0.9984	2.0049	226.0829	9.3848	38.1031	50.3998	1.7966
13/12/2013	97.8925	0.7556	0.1848	0.9314	2.0460	228.1996	11.0672	38.1277	50.3572	1.8191
14/12/2013	98.1128	0.7529	0.3176	0.9296	1.8303	238.9178	14.2060	38.2328	50.4079	1.9912
15/12/2013	98.1621	0.7760	0.1804	0.9521	1.6073	228.8584	15.7386	38.0125	50.4043	2.2383
16/12/2013	97.6786	0.7311	0.1903	0.9173	1.7702	226.6356	11.9447	38.1146	50.4017	3.1291
17/12/2013	97.3983	1.0929	0.2114	1.2673	3.5365	241.0200	10.8783	38.5588	50.7234	2.3431
18/12/2013	95.9411	1.0539	0.1926	1.2237	3.5335	234.5877	12.6015	38.5392	50.5078	1.4897
19/12/2013	95.3750	1.0981	0.1869	1.2706	4.3204	250.7258	17.0915	39.1709	50.7294	1.8116
20/12/2013	96.6168	1.0733	0.3243	1.2491	4.5015	246.3340	12.8616	38.9889	50.6159	1.8191
21/12/2013	96.2323	0.8750	0.1940	1.0476	3.7704	241.9364	16.1063	38.9082	50.7425	2.1185
22/12/2013	97.5228	0.7871	0.1850	0.9607	3.2896	256.2785	15.3682	38.7405	50.6641	2.4329
23/12/2013	97.4948	0.7663	0.1842	0.9329	2.8408	248.3338	15.9781	38.4299	50.6598	2.6500
24/12/2013	98.3427	0.7312	0.3453	0.9106	2.4418	246.2752	12.2378	38.4332	50.5582	2.4628
25/12/2013	98.3427	0.7312	0.3453	0.9106	2.4418	246.2752	12.2378	38.4332	50.5582	2.4628
26/12/2013	98.7722	0.4437	0.2008	0.6321	1.3140	248.9636	14.7268	38.2614	50.6329	1.9538
27/12/2013	98.8281	0.7236	0.1995	0.9224	1.8784	232.0335	10.7986	38.1187	50.5357	2.2607
28/12/2013	97.9514	0.7576	0.2391	0.9463	2.2107	233.9631	11.7395	38.2343	50.4072	3.4734
29/12/2013	98.7140	0.5526	0.1840	0.7363	1.5357	234.5407	13.6437	38.0596	50.5462	4.3044
30/12/2013	98.4082	0.5452	0.1844	0.7296	1.9601	235.9811	12.4194	38.2574	50.6131	2.5976
31/12/2013	97.3541	0.6129	0.1876	0.7989	2.0431	231.2657	9.4974	38.3202	50.6071	4.4167
<b>Máximo</b>	98.8281	1.0981	0.3453	1.2706	4.5015	256.2785	19.6444	39.4260	51.2833	4.3044

Observaciones:

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Registros mínimos diarios)



**PERMISIONARIO:**  
**PUNTO DE MEDICIÓN:**  
**ZONA DE MEDICIÓN:**

**Gasoducto del Rio**  
**Estación Brasil**

**RESTO DEL PAÍS**

FECHA: (dd/mm/aa)	Metano (% vol)	Bióxido de Carbono (% vol)	Nitrógeno (% vol)	Total Inertes (% vol)	Etano (% vol)	Temperatura de Rocío (K)	Humedad (mg/m <sup>3</sup> )	Poder Calorífico (MJ/m <sup>3</sup> )	Índice Wobbe (MJ/m <sup>3</sup> )	Acido Sulhídrico (mg/m <sup>3</sup> )
01/12/2013	97.3417	0.4367	0.1429	0.6033	0.9832	224.6870	7.5933	37.9004	50.2254	1.6993
02/12/2013	95.2170	0.3753	0.1510	0.5283	0.9788	223.4810	7.1610	37.9264	50.3136	1.4373
03/12/2013	94.6072	0.3393	0.1506	0.5059	1.0691	224.1533	6.7328	37.9615	50.4162	1.8191
04/12/2013	94.9011	0.5250	0.1533	0.7320	2.5209	224.1763	9.3147	38.3743	50.4136	1.7367
05/12/2013	94.6708	0.5665	0.1518	0.7290	1.8709	232.2527	9.3163	38.1845	50.4232	2.0586
06/12/2013	94.0639	0.4205	0.1466	0.5726	1.7169	218.7383	7.5114	38.0438	50.3344	2.0586
07/12/2013	94.4998	0.5197	0.1459	0.6757	1.8952	212.6112	5.2217	38.2301	50.4156	1.4373
08/12/2013	95.4004	0.6833	0.1587	0.8600	1.7160	217.0479	5.0580	38.0542	50.2518	1.1828
09/12/2013	96.7415	0.4824	0.1691	0.6734	1.3849	207.0438	5.1123	37.9931	50.1789	1.5271
10/12/2013	96.9660	0.4370	0.1634	0.6048	0.9987	205.1130	4.9876	37.8990	50.0821	1.4672
11/12/2013	96.7335	0.5460	0.1621	0.7327	1.6730	203.3108	7.2261	37.9395	50.0747	1.1304
12/12/2013	96.9201	0.5917	0.1596	0.7668	1.6614	211.2332	7.1424	37.9591	50.1652	1.1154
13/12/2013	96.8864	0.5505	0.1669	0.7228	1.2924	213.5818	5.9733	37.9468	50.2581	1.2576
14/12/2013	96.9031	0.4797	0.1584	0.6488	1.1353	215.3820	4.9569	37.9035	50.2134	1.2576
15/12/2013	97.3044	0.4882	0.1652	0.6534	1.1001	211.2425	5.7142	37.9094	50.1881	1.2501
16/12/2013	97.2398	0.5849	0.1769	0.7657	1.3869	211.8947	6.2368	37.9279	50.2102	1.6918
17/12/2013	94.9740	0.4135	0.1606	0.6069	1.7004	196.8595	6.2293	38.0385	50.1405	1.0705
18/12/2013	95.0544	0.7857	0.1664	0.9783	2.7825	218.6572	7.5119	38.2439	50.2126	1.0705
19/12/2013	93.6834	0.8005	0.1681	0.9874	3.1603	227.6243	8.0359	38.3802	50.2177	1.0705
20/12/2013	93.7484	0.6887	0.1688	0.9228	2.2971	232.2533	8.1372	38.2059	50.2223	0.0150
21/12/2013	94.8131	0.7000	0.1680	0.8805	2.6056	223.3482	8.2656	38.2723	50.3360	0.9657
22/12/2013	95.2180	0.4772	0.1663	0.6590	1.6183	223.8572	8.2148	38.0789	50.3787	1.1753
23/12/2013	96.0409	0.4446	0.1663	0.6158	1.6963	221.4973	7.2820	38.0457	50.2870	1.2277
24/12/2013	96.4690	0.4318	0.1541	0.6028	0.9355	213.0341	6.5917	37.9068	50.3396	1.1154
25/12/2013	96.4690	0.4318	0.1541	0.6028	0.9355	213.0341	6.5917	37.9068	50.3396	1.1154
26/12/2013	97.7062	0.2510	0.1701	0.4231	0.7156	223.3441	6.8255	37.8961	50.5006	0.8758
27/12/2013	97.2155	0.2486	0.1671	0.4193	0.6839	218.4379	6.7144	37.8656	50.2301	0.9806
28/12/2013	96.7565	0.5414	0.1685	0.7258	1.2209	221.3302	6.7178	37.9201	50.2076	1.8640
29/12/2013	97.5787	0.2740	0.1660	0.4461	0.7375	223.6350	6.6526	37.8935	50.4025	1.2951
30/12/2013	97.0553	0.2991	0.1655	0.4711	0.9344	210.9262	6.7345	37.9825	50.4535	1.3250
31/12/2013	96.8648	0.4655	0.1772	0.6434	1.7341	214.9194	5.0078	38.2117	50.4675	2.1859
<b>Mínimo</b>	93.6834	0.2486	0.1429	0.4193	0.6839	196.8595	4.9569	37.8656	50.0747	0.0150

Observaciones: