

**INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL**  
(Valores promedio diarios)



**PERMISIONARIO:** ARGUELLES PIPELINE S. DE. R.L. DE C.V.  
**PUNTO DE MEDICIÓN:** CARRETERA FEDERAL REYNOSA NUEVO LAREDO KM. 20+100, EJIDO REYNOSA DIAS, CP 88790, REYNOSA TAMP.  
**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 Rocio (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)
01/12/2017	96.7464	1.0657	0.2398	0.6528	1.7337	256.2056	14.556657	37.9524	49.9536	0.069097		
02/12/2017	96.8509	1.0078	0.2484	0.6281	1.7134	254.9278	14.545422	37.9390	49.9825	0.0864431		
03/12/2017	96.4974	0.9692	0.3969	0.6830	1.9253	255.3167	14.543352	37.9772	49.9634	0.098636		
04/12/2017	96.5123	0.9552	0.4030	0.6791	1.9136	254.8722	14.53633	37.9796	49.9717	0.105401		
05/12/2017	96.4974	0.9774	0.3790	0.6782	1.9367	258.3722	14.568778	37.9834	49.9694	0.0929467		
06/12/2017	96.6410	0.9495	0.3890	0.6692	1.8104	250.9833	14.630791	37.9533	49.9669	0.0095744		
07/12/2017	96.4567	0.9425	0.4335	0.6880	1.9463	251.5389	14.650157	37.9855	49.9700	0.0022232		
08/12/2017	96.4168	0.9743	0.4330	0.7036	1.9504	249.7056	14.648383	37.9770	49.9432	0.0053777		
09/12/2017	96.1922	1.1488	0.4051	0.7770	2.0352	250.5389	14.614457	37.9415	49.8142	0.0215267		
10/12/2017	96.6262	1.0681	0.3867	0.7274	1.7263	252.4833	14.600857	37.8744	49.8397	0.0288081		
11/12/2017	96.5085	1.1102	0.3777	0.7439	1.8000	251.3167	14.593539	37.8895	49.8234	0.0282698		
12/12/2017	96.5410	1.1072	0.3701	0.7386	1.7968	250.3722	14.598343	37.8783	49.8225	0.0221503		
13/12/2017	96.6368	1.0779	0.3755	0.7267	1.7379	248.8722	14.600857	37.8606	49.8302	0.0245431		
14/12/2017	96.4379	1.0586	0.4034	0.7310	1.9115	251.2056	14.602039	37.9192	49.8647	0.0263383		
15/12/2017	96.4639	1.0571	0.4142	0.7357	1.8743	249.0389	14.629313	37.9056	49.8530	0.0092255		
16/12/2017	96.5195	0.9956	0.3775	0.6865	1.8937	248.9833	14.627613	37.9616	49.9450	0.0165658		
17/12/2017	96.8779	0.8806	0.3196	0.6001	1.7358	250.0389	14.609726	37.9657	50.0543	0.0336818		
18/12/2017	96.7423	0.8765	0.3463	0.6114	1.8448	251.4278	14.595461	37.9922	50.0602	0.0637923		
19/12/2017	96.4813	0.8944	0.3603	0.6274	2.0413	251.8167	14.5673	38.0574	50.0786	0.118652		
20/12/2017	96.7906	0.8922	0.3186	0.6054	1.8143	251.0944	14.558874	37.9832	50.0567	0.0904821		
21/12/2017	96.4807	0.9823	0.3404	0.6614	2.0003	256.1500	14.543722	38.0063	49.9970	-0.0164816		
22/12/2017	96.6396	0.9786	0.2910	0.6348	1.8823	258.2056	14.550004	38.0037	50.0206	-0.0281327		
23/12/2017	97.0305	1.2640	0.1559	0.7100	1.3801	253.9833	14.591691	37.7778	49.7529	-0.0254264		
24/12/2017	97.0992	1.1161	0.1314	0.6237	1.5155	259.5944	14.5826	37.8602	49.9153	-0.0244789		
25/12/2017	97.0952	1.1033	0.1279	0.6156	1.5389	255.7611	14.611204	37.8697	49.9313	-0.0263377		
26/12/2017	96.9687	1.0889	0.1433	0.6161	1.6509	260.2056	14.594648	37.9129	49.9592	-0.0278105		
27/12/2017	96.9980	1.1860	0.1445	0.6652	1.5145	255.4833	14.634783	37.8409	49.8492	-0.0274273		
28/12/2017	97.0808	1.1871	0.1189	0.6530	1.4678	255.8722	14.635078	37.8280	49.8527	-0.0255441		
29/12/2017	97.2073	1.0158	0.1929	0.6043	1.4343	254.7056	14.620296	37.8559	49.9547	-0.0257507		
30/12/2017	96.9331	1.0914	0.2282	0.6598	1.5708	256.8722	14.597309	37.8741	49.8959	-0.0267197		
31/12/2017	97.3492	1.2262	0.1142	0.6702	1.1564	252.3722	14.624509	37.7309	49.7713	-0.028109		

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

<b>Mínimo</b>	96.1922	0.8765	0.1142	0.6001	1.1564	248.8722	14.5363	37.7309	49.7529	-0.0281		
<b>Promedio</b>	96.7200	1.0403	0.3021	0.6712	1.7501	253.4941	14.5956	37.9206	49.9246	0.0217		
<b>Máximo</b>	97.3492	1.2640	0.4335	0.7770	2.0413	260.2056	14.6502	38.0574	50.0786	0.1187		
<b>Desv. Est.</b>	0.276156961	0.100240044	0.107834155	0.047577052	0.210137309	3.209665912	0.032484964	0.071671814	0.086131748	0.046266889		

Observaciones: INFORME MENSUAL DE VALORES PROMEDIO DIARIOS DEL MES DE DICIEMBRE 2017

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



**PERMISIONARIO:** ARGUELLES PIPELINE S. DE. R.L. DE C.V.  
**PUNTO DE MEDICIÓN:** CARRETERA FEDERAL REYNOSA NUEVO LAREDO KM. 20+100, EJIDO REYNOSA DIAS, CP 88790, REYNOSA TAMP.  
**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 Rocio (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> )
01/12/2017	97.1186	1.2307	0.3206	0.7756	1.9407	256.2056	14.60263043	38.0138	49.9613	0.167421
02/12/2017	97.3206	1.0571	0.3541	0.7056	2.0277	254.9278	14.58311739	38.0198	49.9951	0.201065
03/12/2017	96.6108	1.0274	0.4467	0.7371	2.0334	255.3167	14.57018261	38.0000	49.9377	0.17458
04/12/2017	96.6503	0.9797	0.4444	0.7120	2.0063	254.8722	14.56944348	38.0228	50.0064	0.251782
05/12/2017	96.6720	1.0129	0.4145	0.7137	2.5013	258.3722	14.62672609	38.1882	50.1173	0.163065
06/12/2017	96.7951	1.0601	0.4087	0.7344	1.8876	250.9833	14.64372609	37.9907	49.9793	0.0464113
07/12/2017	96.7812	1.0236	0.5557	0.7897	2.2467	251.5389	14.66198261	38.0429	49.9862	0.0403533
08/12/2017	96.5069	1.0440	0.4693	0.7566	2.0768	249.7056	14.66442174	38.0287	49.9636	0.087916
09/12/2017	96.4549	1.2756	0.4437	0.8596	2.3424	250.5389	14.65355652	38.0049	49.8342	0.102635
10/12/2017	96.7198	1.1315	0.4453	0.7884	1.8369	252.4833	14.64653478	37.9218	49.8759	0.0962771
11/12/2017	96.7114	1.1575	0.4072	0.7824	1.9656	251.3167	14.63056957	37.9345	49.8419	0.0952257
12/12/2017	96.6858	1.1383	0.3990	0.7687	2.0094	250.3722	14.64786522	37.9546	49.8612	0.0999319
13/12/2017	96.6920	1.1393	0.3869	0.7631	1.8346	248.8722	14.63293478	37.9046	49.8676	0.0951256
14/12/2017	96.5832	1.1416	0.4353	0.7885	2.0258	251.2056	14.62798261	37.9471	49.8613	0.070443
15/12/2017	96.6188	1.1268	0.4337	0.7802	1.9601	249.0389	14.63537391	37.9281	49.8704	0.0467617
16/12/2017	96.7449	1.1002	0.4013	0.7507	2.0969	248.9833	14.63404348	38.0093	49.9639	0.0474126
17/12/2017	97.1625	0.9797	0.3939	0.6868	1.9206	250.0389	14.62362174	38.0529	50.1092	0.109695
18/12/2017	97.0305	0.9183	0.3802	0.6493	2.0959	251.4278	14.61098261	38.0988	50.1053	0.146744
19/12/2017	96.6583	0.9266	0.3950	0.6608	2.1618	251.8167	14.59996957	38.1718	50.1429	0.261645
20/12/2017	97.0517	0.9465	0.3481	0.6473	2.0679	251.0944	14.59420435	38.0921	50.1221	0.293137
21/12/2017	96.9209	1.0814	0.4660	0.7737	2.2113	256.1500	14.57964348	38.0783	50.0089	0.206022
22/12/2017	97.2746	1.1486	0.3559	0.7523	2.2575	258.2056	14.60728696	38.1524	50.0628	-0.00675892
23/12/2017	97.3723	1.7878	0.3059	1.0468	2.0183	253.9833	14.61948261	38.0477	49.9328	0.012116
24/12/2017	97.2524	1.1657	0.1419	0.6538	1.6555	259.5944	14.63086522	37.9058	49.9497	0.0167221
25/12/2017	97.3360	1.1296	0.1390	0.6343	1.7395	255.7611	14.63042174	37.9292	49.9592	-0.0178736
26/12/2017	97.0687	1.1135	0.1731	0.6433	1.7167	260.2056	14.62029565	37.9318	49.9619	-0.018975
27/12/2017	97.0842	1.2350	0.1781	0.7065	1.6183	255.4833	14.64461304	37.8849	49.8790	-0.0246826
28/12/2017	97.3889	1.2759	0.1307	0.7033	1.7183	255.8722	14.6443913	37.9002	49.9079	-0.0180238
29/12/2017	97.5097	1.0525	0.3291	0.6908	1.6875	254.7056	14.63559565	37.9113	49.9562	-0.0241319
30/12/2017	97.2527	1.1931	0.3064	0.7497	1.9464	256.8722	14.61556522	37.9762	49.9402	-0.00470621
31/12/2017	97.5249	1.2782	0.1722	0.7252	1.4582	252.3722	14.65954348	37.8096	49.7933	-0.0252834
<b>Máximo</b>	97.5249	1.7878	0.5557	1.0468	2.5013	260.2056	14.6368	38.1882	50.1429	0.2931

Observaciones:

INFORME MENSUAL DE REGISTROS MAXIMOS DIARIOS DEL MES DE DICIEMBRE 2017

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



**PERMISIONARIO:** ARGUELLES PIPELINE S. DE. R.L. DE C.V.  
**PUNTO DE MEDICIÓN:** CARRETERA FEDERAL REYNOSA NUEVO LAREDO KM. 20+100, EJIDO REYNOSA DIAS, CP 88790, REYNOSA TAMP.  
**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 Rocio (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> )
01/12/2017	96.4500	0.9699	0.1343	0.5521	1.5056	256.2056	14.5049913	37.8327	49.8846	-0.00180238
02/12/2017	96.4039	0.9258	0.1405	0.5332	1.3960	254.9278	14.4964913	37.8655	49.9769	0.0238315
03/12/2017	96.3135	0.9011	0.3398	0.6205	1.8329	255.3167	14.49878261	37.9408	49.9368	0.0436576
04/12/2017	96.4193	0.9220	0.3695	0.6457	1.8216	254.8722	14.48126522	37.9505	49.9696	0.0278868
05/12/2017	95.9448	0.9252	0.3508	0.6380	1.7816	258.3722	14.49996522	37.9222	49.9349	-0.0212228
06/12/2017	96.5432	0.8778	0.3522	0.6150	1.7148	250.9833	14.61682174	37.9117	49.9560	-0.0274362
07/12/2017	96.0101	0.9113	0.3539	0.6326	1.7344	251.5389	14.63677826	37.9400	49.9488	-0.0269856
08/12/2017	96.2360	0.9421	0.4015	0.6718	1.8641	249.7056	14.61674783	37.9359	49.9184	-0.026535
09/12/2017	95.7768	1.0647	0.3707	0.7177	1.8542	250.5389	14.56042609	37.9013	49.7890	-0.0282373
10/12/2017	96.5047	0.9890	0.3603	0.6746	1.6408	252.4833	14.54416522	37.8320	49.8031	-0.0229303
11/12/2017	96.2866	0.9511	0.3574	0.6542	1.6834	251.3167	14.54497826	37.8465	49.8238	-0.0251832
12/12/2017	96.2904	1.0257	0.3429	0.6843	1.6883	250.3722	14.53832609	37.8413	49.8121	-0.0228802
13/12/2017	96.5471	1.0311	0.3540	0.6926	1.6995	248.8722	14.56848261	37.8286	49.8082	-0.00921216
14/12/2017	96.2856	1.0144	0.3727	0.6935	1.8267	251.2056	14.58016087	37.8897	49.8576	-0.028788
15/12/2017	96.3218	1.0162	0.3997	0.7079	1.7605	249.0389	14.62133043	37.8871	49.8390	-0.0286879
16/12/2017	96.2248	0.8853	0.3571	0.6212	1.8066	248.9833	14.62243913	37.9207	49.9283	-0.027286
17/12/2017	96.6812	0.7677	0.2119	0.4898	1.5454	250.0389	14.60011739	37.8950	50.0288	-0.00205271
18/12/2017	96.3865	0.8536	0.2861	0.5698	1.6505	251.4278	14.58954783	37.9535	50.0771	0.0057576
19/12/2017	96.2692	0.8729	0.3294	0.6012	1.9139	251.8167	14.51053478	38.0216	50.0760	-0.0314415
20/12/2017	96.4684	0.8492	0.2908	0.5700	1.6391	251.0944	14.49737826	37.9132	50.0321	-0.0322426
21/12/2017	96.2124	0.9025	0.2602	0.5813	1.6859	256.1500	14.48762174	37.9240	49.9977	-0.0339448
22/12/2017	96.1066	0.8927	0.2004	0.5465	1.4125	258.2056	14.4817087	37.8715	50.0013	-0.0335943
23/12/2017	96.5395	0.9464	0.0913	0.5188	1.1159	253.9833	14.55406957	37.5261	49.5389	-0.0305403
24/12/2017	96.9663	1.0567	0.1208	0.5887	1.3570	259.5944	14.52398696	37.8093	49.8805	-0.0320423
25/12/2017	96.8781	1.0693	0.1189	0.5941	1.3404	255.7611	14.59915652	37.8197	49.9270	-0.0287379
26/12/2017	96.8667	1.0723	0.1271	0.5997	1.5763	260.2056	14.57713043	37.8946	49.9603	-0.0307906
27/12/2017	96.9154	1.0917	0.1119	0.6018	1.4456	255.4833	14.61637826	37.8145	49.8583	-0.0304402
28/12/2017	96.7873	1.0272	0.1111	0.5692	1.3093	255.8722	14.63056957	37.7903	49.8743	-0.0270858
29/12/2017	96.7626	0.9202	0.1198	0.5200	1.2293	254.7056	14.61186957	37.8033	49.9236	-0.0272359
30/12/2017	96.5135	1.0319	0.1720	0.6020	1.2449	256.8722	14.58274783	37.7593	49.8224	-0.0293888
31/12/2017	96.9867	1.1635	0.0998	0.6317	1.0426	252.3722	14.59124783	37.7083	49.7833	-0.0304902
<b>Mínimo</b>	95.7768	0.7677	0.0913	0.4898	1.0426	248.8722	14.4813	37.5261	49.5389	-0.0339

Observaciones:

INFORME MENSUAL DE REGISTROS MINIMOS DIARIOS DEL MES DE DICIEMBRE 2017