

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

(Valores promedio diarios)



<b>PERMISIONARIO:</b>	<b>TARAHUMARA PIPELINE</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>EL ENCINO</b>
<b>ZONA DE MEDICIÓN:</b>	<b>RESTO DEL PAÍS</b>

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)
01/11/2017	91.2102	0.3159	2.1200	2.4359	6.0193	260.1602	18.2311	38.7769	50.0884	0.9502		
02/11/2017	92.1009	0.3593	1.8511	2.2104	5.3879	260.5571	16.9317	38.6655	50.1142	0.9501		
03/11/2017	91.6055	0.4577	1.8229	2.2806	5.7614	261.3411	16.6406	38.7781	50.1251	0.9500		
04/11/2017	92.5938	0.4958	1.7635	2.2593	4.7809	261.9763	18.8024	38.5296	49.9816	0.9499		
05/11/2017	91.3998	0.3822	1.8488	2.2310	5.8064	262.2122	20.8603	38.9343	50.2538	0.9499		
06/11/2017	90.6823	0.3947	1.6476	2.0423	6.5340	262.2357	20.8705	39.3177	50.5543	0.9498		
07/11/2017	91.2903	0.3907	1.7290	2.1197	6.0205	261.8517	19.5698	39.0375	50.3608	0.9497		
08/11/2017	91.4549	0.3629	1.9007	2.2636	5.9847	260.9280	18.0595	38.8162	50.1768	0.9498		
09/11/2017	91.4376	0.3726	1.6291	2.0017	6.2695	260.4642	16.9088	38.9935	50.3931	0.9498		
10/11/2017	92.1883	0.3046	1.2657	1.5703	5.9926	259.9199	15.9750	39.0500	50.6349	0.9496		
11/11/2017	92.0865	0.2792	1.3497	1.6289	6.0540	259.6369	14.9463	39.0321	50.6045	0.9494		
12/11/2017	92.3152	0.2875	1.3834	1.6709	5.7960	259.3634	14.1920	38.9355	50.5284	0.9495		
13/11/2017	92.1421	0.2545	1.4301	1.6845	5.9526	258.9746	13.5286	38.9745	50.5523	0.9493		
14/11/2017	92.6729	0.2237	1.4087	1.6324	5.4663	258.1697	13.2921	38.8601	50.5177	0.9494		
15/11/2017	92.9523	0.1945	1.4638	1.6583	5.1544	257.9287	13.1794	38.7687	50.4605	0.9494		
16/11/2017	93.1620	0.1930	1.4920	1.6850	4.8897	257.8594	13.4191	38.7006	50.4096	0.9495		
17/11/2017	92.1517	0.1700	1.7686	1.9386	5.5297	257.7926	12.9159	38.8520	50.3872	0.9497		
18/11/2017	92.3828	0.3482	1.6620	2.0102	5.2486	257.5697	12.6745	38.7465	50.2527	0.9497		
19/11/2017	92.0675	0.2811	1.8387	2.1198	5.5332	257.4838	11.8859	38.7288	50.2094	0.9498		
20/11/2017	92.7884	0.1973	1.4676	1.6650	5.3237	257.8465	11.3872	38.8030	50.4765	0.9499		
21/11/2017	92.8743	0.2025	1.3883	1.5908	5.3218	258.0324	10.8524	38.8266	50.5223	0.9499		
22/11/2017	93.7392	0.2028	1.1716	1.3743	4.7244	257.9811	10.4074	38.7057	50.5520	0.9501		
23/11/2017	93.5539	0.2211	1.3336	1.5546	4.6732	258.4962	10.1300	38.6580	50.4380	0.9501		
24/11/2017	93.3390	0.2075	1.5524	1.7599	4.6648	259.1463	9.8752	38.5916	50.3098	0.9501		
25/11/2017	92.3417	0.2057	1.5672	1.7729	5.5319	259.4184	9.6742	38.9008	50.4813	0.9499		
26/11/2017	92.4458	0.3546	1.6151	1.9697	5.1975	259.5393	10.5101	38.7684	50.2819	0.9499		
27/11/2017	93.8470	0.2598	1.2649	1.5247	4.3798	259.6679	11.2431	38.6035	50.4109	0.9499		
28/11/2017	94.0401	0.2279	1.0674	1.2952	4.4609	259.7196	16.4747	38.6832	50.5692	0.9499		
29/11/2017	94.6598	0.1934	1.0012	1.1946	4.0291	259.4803	26.8222	38.5480	50.5469	0.9498		
30/11/2017	93.7520	0.2148	0.9604	1.1752	4.3140	259.4065	23.4217	39.0279	50.8208	0.9497		

\*/ Los valores trimestrales se deberán reportar en los meses de marzo, junio, septiembre y diciembre de cada año, respecto del trimestre inmediato anterior.

<b>Mínimo</b>	90.6823	0.1700	0.9604	1.1752	4.0291	257.4838	9.6742	38.5296	49.9816	0.9493		
<b>Promedio</b>	92.5093	0.2852	1.5255	1.8107	5.3601	259.5053	15.1227	38.8205	50.4005	0.9498		
<b>Máximo</b>	94.6598	0.4958	2.1200	2.4359	6.5340	262.2357	26.8222	39.3177	50.8208	0.9502		
<b>Desv. Est.</b>	0.951833078	0.08824549	0.281976354	0.341136122	0.642860476	1.449867452	4.324518298	0.17637803	0.189366871	0.00022536		

Observaciones:

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

**(Registros máximos diarios)**



**PERMISIONARIO:** TARAHUMARA PIPELINE  
**PUNTO DE MEDICIÓN:** EL ENCINO  
**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 Sulhídrico (mg/m <sup>3</sup> )
01/11/2017	92.7159	0.4789	2.4352	2.9141	6.9628	262.2689	18.6924	39.0022	50.1949	0.9504
02/11/2017	92.6415	0.4404	2.0729	2.5134	6.0882	262.3497	17.9226	39.0703	50.4137	0.9503
03/11/2017	92.5889	0.5951	2.0479	2.6430	6.5854	263.4414	17.9562	39.1488	50.3442	0.9502
04/11/2017	92.9420	0.5944	2.0700	2.6644	5.2214	263.4456	19.9643	38.6204	50.0190	0.9501
05/11/2017	92.4600	0.4804	2.2082	2.6886	6.9908	264.7231	21.7925	39.5807	50.6690	0.9501
06/11/2017	91.6061	0.4478	1.8527	2.3004	7.3205	264.9077	21.7087	39.6538	50.8071	0.9505
07/11/2017	92.4540	0.4449	1.8688	2.3137	6.9850	264.0109	20.4907	39.5564	50.7564	0.9499
08/11/2017	92.1910	0.4452	2.0585	2.5037	7.4247	263.3045	18.9221	39.3404	50.6376	0.9501
09/11/2017	92.0459	0.4190	1.9340	2.3530	6.7750	262.2443	17.7898	39.2392	50.6159	0.9501
10/11/2017	92.8560	0.3381	1.4458	1.7839	6.5431	261.6325	16.6060	39.2444	50.7482	0.9498
11/11/2017	92.5682	0.3099	1.4270	1.7369	6.6265	261.3803	15.7847	39.2160	50.6944	0.9496
12/11/2017	92.5903	0.3266	1.4724	1.7990	6.0268	260.7756	14.9250	38.9952	50.5280	0.9497
13/11/2017	92.9097	0.3229	1.5402	1.8631	6.3973	260.4456	14.1646	39.1234	50.6395	0.9496
14/11/2017	93.8377	0.2681	1.6688	1.9368	6.2525	261.2342	14.1075	39.0652	50.6043	0.9495
15/11/2017	93.8107	0.2336	1.6991	1.9327	5.4842	259.8004	13.3514	38.9869	50.6568	0.9496
16/11/2017	93.2255	0.2262	1.8803	2.1065	6.4730	260.8165	13.6437	39.4834	51.2600	0.9497
17/11/2017	93.3806	0.4838	2.0252	2.5090	6.0554	259.7103	13.1571	39.0283	50.1328	0.9499
18/11/2017	92.5299	0.4113	2.1108	2.5221	6.1702	258.8562	12.9783	38.8643	50.2743	0.9499
19/11/2017	93.3287	0.2210	1.7734	1.9944	5.7789	259.3339	12.3861	38.8890	50.2187	0.9502
20/11/2017	93.3819	0.2475	1.5999	1.8474	5.4931	259.4137	11.7157	38.8880	50.4248	0.9501
21/11/2017	93.3819	0.2475	1.5999	1.8474	5.4931	259.4136	11.2600	38.8880	50.5233	0.9503
22/11/2017	94.4491	0.2297	1.2601	1.4899	6.4781	260.0366	10.7038	39.1928	50.9193	0.9503
23/11/2017	95.7388	0.2632	1.6454	1.9087	5.7750	260.5759	10.4419	39.0100	50.5431	0.9504
24/11/2017	95.1412	0.3980	2.5761	2.9741	5.6131	261.7762	21.7925	38.8408	50.3928	0.9505
25/11/2017	92.8608	0.3519	1.7565	2.1084	6.1005	261.3179	9.8341	39.1954	50.5835	0.9502
26/11/2017	93.3332	0.4716	1.9898	2.4614	5.7541	261.5145	10.8950	39.0328	50.4848	0.9501
27/11/2017	94.7558	0.4174	1.9680	2.3854	5.2944	261.7238	11.4028	38.7651	50.1378	0.9501
28/11/2017	95.8256	0.2702	1.1720	1.4422	5.2884	262.4998	26.9876	38.9472	50.5365	0.9501
29/11/2017	95.2446	0.2345	1.1607	1.3952	5.3352	261.4136	27.8089	38.8866	50.5914	0.9500
30/11/2017	98.0733	0.2760	1.1454	1.4214	6.0558	263.3031	25.2439	40.5260	52.8046	0.9499
<b>Máximo</b>	98.0733	0.5951	2.5761	2.9741	7.4247	264.9077	27.8089	40.5260	52.8046	0.9505

**Observaciones:**

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

**(Registros mínimos diarios)**



<b>PERMISIONARIO:</b>	<b>TARAHUMARA PIPELINE</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>EL ENCINO</b>
<b>ZONA DE MEDICIÓN:</b>	<b>RESTO DEL PAÍS</b>

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> )
01/11/2017	90.3487	0.2220	1.7740	1.9960	4.8582	258.5036	17.9164	38.4362	49.9459	0.9500
02/11/2017	91.3371	0.2742	1.6845	1.9588	4.9440	258.6629	16.2565	38.4434	49.9554	0.9498
03/11/2017	90.5436	0.2758	1.6265	1.9023	4.8460	259.4631	15.9952	38.4719	50.0072	0.9498
04/11/2017	92.2071	0.3567	1.5796	1.9364	4.4671	261.1352	17.9574	38.2998	49.8022	0.9496
05/11/2017	89.6872	0.2573	1.4684	1.7258	4.9914	259.7672	20.1611	38.4361	49.8703	0.9497
06/11/2017	89.9106	0.3438	1.4857	1.8295	5.7340	260.1923	20.1102	38.8729	50.2339	0.9496
07/11/2017	90.2242	0.3131	1.6010	1.9141	5.0963	259.3083	18.9655	38.5833	50.0804	0.9494
08/11/2017	90.3895	0.2929	1.5760	1.8689	5.2678	259.1964	17.3311	38.5714	50.0165	0.9497
09/11/2017	91.0430	0.3358	1.4757	1.8115	5.6784	258.8964	16.3273	38.7728	50.2376	0.9495
10/11/2017	91.5548	0.2901	1.1838	1.4739	5.2616	258.2003	15.5029	38.9198	50.5784	0.9495
11/11/2017	91.4359	0.2636	1.2404	1.5040	5.6063	257.8824	14.5277	38.9053	50.5409	0.9491
12/11/2017	91.9721	0.2682	1.3391	1.6072	5.4894	258.2147	13.8647	38.8242	50.4426	0.9493
13/11/2017	91.6342	0.2118	1.2386	1.4503	5.4355	257.8356	13.2396	38.8448	50.5509	0.9491
14/11/2017	91.8293	0.1815	1.2675	1.4490	4.0667	256.5808	12.8572	38.3549	50.1086	0.9492
15/11/2017	92.5191	0.1709	1.3204	1.4913	3.7766	256.1000	13.0565	38.3215	50.1032	0.9493
16/11/2017	92.5204	0.1470	1.2937	1.4407	4.1932	256.2329	13.1167	38.4428	50.2153	0.9492
17/11/2017	90.5019	0.1254	1.4700	1.5955	4.5697	255.5226	12.4388	38.4863	50.1699	0.9494
18/11/2017	91.6007	0.2342	1.3072	1.5415	4.5987	256.0738	12.3308	38.3970	50.0338	0.9495
19/11/2017	91.1276	0.1731	1.5757	1.7488	5.1189	256.3359	11.4283	38.5958	50.1072	0.9495
20/11/2017	92.0426	0.1837	1.3353	1.5189	4.9277	256.9367	11.0217	38.7201	50.4847	0.9496
21/11/2017	92.5618	0.1876	1.2395	1.4271	5.0002	256.9258	10.4623	38.7582	50.5445	0.9496
22/11/2017	91.8449	0.1778	1.0188	1.1965	4.2092	256.0698	10.1563	38.5632	50.5204	0.9498
23/11/2017	92.2569	0.1693	0.9181	1.0874	3.0613	256.4217	9.7596	38.2703	50.4194	0.9496
24/11/2017	91.1880	0.1560	1.1406	1.2966	3.4066	257.5474	9.5951	38.3380	50.3748	0.9498
25/11/2017	91.5452	0.1523	1.1736	1.3259	5.0855	258.0308	9.5604	38.7725	50.4340	0.9496
26/11/2017	91.9290	0.2629	1.2978	1.5607	4.6290	258.1169	9.9105	38.4387	50.0787	0.9496
27/11/2017	92.4080	0.1868	1.0160	1.2028	3.7995	258.4560	11.0968	38.4089	50.3603	0.9496
28/11/2017	93.0022	0.1797	0.9159	1.0956	2.8871	257.1989	11.1917	38.2710	50.4120	0.9497
29/11/2017	93.1769	0.1669	0.9198	1.0868	3.5281	257.8037	25.2830	38.4163	50.5066	0.9496
30/11/2017	90.2220	0.1147	0.6991	0.8138	1.0899	253.7337	21.5429	37.7969	50.3131	0.9494

<b>Mínimo</b>										
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**Observaciones:**