

**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)
01/12/2018	96.8350	0.1130	0.7586	0.8716	2.2695	263.8633	6.9111	38.1139	50.4694	0.9698	1.0000	0.0050
02/12/2018	96.8076	0.1202	0.7561	0.8763	2.2900	262.5725	7.2784	38.1199	50.4689	0.9696		
03/12/2018	96.5684	0.1154	0.8084	0.9238	2.4039	263.3558	7.2388	38.1786	50.4810	0.9699		
04/12/2018	95.7572	0.1237	0.8473	0.9710	3.1011	266.9678	6.9062	38.4050	50.5859	0.9699		
05/12/2018	96.0248	0.1298	0.8024	0.9322	2.9073	265.7246	7.0289	38.3374	50.5647	0.9697		
06/12/2018	96.5915	0.1181	0.7795	0.8976	2.4016	263.3447	7.0157	38.2125	50.5131	0.9697		
07/12/2018	96.4644	0.1228	0.7685	0.8913	2.4950	264.3206	7.3730	38.2443	50.5315	0.9698		
08/12/2018	96.7144	0.1236	0.7777	0.9013	2.3005	265.9188	7.1022	38.1578	50.4772	0.9699		
09/12/2018	96.9583	0.1149	0.7653	0.8802	2.0924	261.5358	6.8562	38.0833	50.4471	0.9698		
10/12/2018	96.7334	0.1180	0.8024	0.9204	2.2479	264.6676	6.7327	38.1316	50.4551	0.9697		
11/12/2018	97.1859	0.0982	0.8064	0.9046	1.8032	266.8378	6.8701	38.0200	50.4065	0.9697		
12/12/2018	96.8257	0.1124	0.7980	0.9105	2.1577	268.0938	6.4345	38.1103	50.4498	0.9701		
13/12/2018	96.5039	0.1173	0.8499	0.9673	2.4141	266.2457	6.0965	38.1674	50.4546	0.9704		
14/12/2018	96.3800	0.1154	0.8448	0.9602	2.5341	266.2551	6.1294	38.2185	50.4866	0.9700		
15/12/2018	96.0675	0.1449	1.0675	1.2123	2.5858	265.8484	6.3724	38.1408	50.3171	0.9690		
16/12/2018	96.1462	0.1383	0.8942	1.0325	2.6868	266.9355	6.3130	38.2361	50.4570	0.9688		
17/12/2018	96.9749	0.1151	0.8107	0.9258	2.0340	267.9967	6.3632	38.0489	50.4063	0.9695		
18/12/2018	97.1001	0.1130	0.8139	0.9269	1.9112	259.8559	6.2213	38.0138	50.3863	0.9698		
19/12/2018	97.0221	0.1180	0.7844	0.9024	2.0249	258.8841	6.1210	38.0485	50.4165	0.9699		
20/12/2018	97.1650	0.1167	0.7686	0.8854	1.9195	259.0100	6.1830	38.0122	50.4042	0.9698		
21/12/2018	97.1825	0.1172	0.7836	0.9009	1.8852	259.9864	5.4715	37.9978	50.3884	0.9697		
22/12/2018	95.0655	0.1302	0.7657	0.8958	3.4329	258.8985	6.4768	38.7971	50.8394	0.9705		
23/12/2018	96.8862	0.1159	0.7866	0.9025	2.0866	261.1562	6.1339	38.1109	50.4521	0.9698		
24/12/2018	97.4269	0.1102	0.7941	0.9043	1.6297	260.5624	5.9659	37.9277	50.3497	0.9698		
25/12/2018	97.3368	0.1244	0.9576	1.0820	1.5488	260.0516	6.3522	37.8316	50.2031	0.9701		
26/12/2018	97.6442	0.1095	0.8137	0.9231	1.4115	259.5418	6.2787	37.8482	50.2945	0.9703		
27/12/2018	98.2228	0.0988	0.8252	0.9241	0.8424	260.4783	6.0098	37.6786	50.1998	0.9703		
28/12/2018	98.0420	0.0993	0.8145	0.9137	1.0180	258.7381	5.9389	37.7419	50.2409	0.9707		
29/12/2018	98.1234	0.1010	0.7925	0.8935	0.9639	258.9664	6.1586	37.7301	50.2431	0.9707		
30/12/2018	98.1685	0.1003	0.8012	0.9015	0.9117	258.2596	5.9195	37.7113	50.2288	0.9705		
31/12/2018	97.7190	0.1024	0.8560	0.9584	1.2561	258.1904	5.9195	37.8094	50.2563	0.9705		

\*/ 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>	95.0655	0.0982	0.7561	0.8716	0.8424	258.2596	5.4715	37.6786	50.1998	0.9688		
<b>Promedio</b>	96.8975	0.1165	0.8147	0.9312	2.0770	262.8291	6.4751	38.0792	50.4206	0.9699		
<b>Máximo</b>	98.2228	0.1449	1.0675	1.2123	3.4329	268.0938	7.3730	38.7971	50.8394	0.9707		
<b>Desv. Est.</b>	0.721089325	0.010909766	0.063438942	0.069298742	0.627494979	3.274438853	0.480993138	0.227598698	0.130993055	0.000424178		

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> )
01/12/2018	97.0839	0.1436	0.7731	0.9167	2.5659	260.8121	7.4433	38.2016	50.5171	0.9707
02/12/2018	97.1168	0.1484	0.7756	0.9240	2.5462	265.0326	7.6733	38.1942	50.5128	0.9700
03/12/2018	96.9425	0.1410	0.8591	1.0002	2.5389	259.5812	7.6931	38.3210	50.5975	0.9709
04/12/2018	96.6643	0.1532	0.8712	1.0245	3.6374	270.3347	7.5150	38.7087	50.7625	0.9712
05/12/2018	96.7608	0.1977	0.8678	1.0656	5.0365	268.8602	7.5392	39.0612	50.9463	0.9703
06/12/2018	96.9366	0.1395	0.8292	0.9687	3.0125	273.4733	7.4932	38.4380	50.6330	0.9705
07/12/2018	97.6884	0.1566	0.8830	1.0397	3.4900	262.4372	7.9458	39.0092	50.9701	0.9709
08/12/2018	97.1137	0.1513	0.7854	0.9367	2.7180	268.9555	7.5361	38.2666	50.5299	0.9705
09/12/2018	97.5516	0.1474	0.7712	0.9186	2.7677	262.2859	7.4932	38.3042	50.5654	0.9706
10/12/2018	97.4443	0.1483	0.9356	1.0840	3.0520	261.7482	7.3170	38.5955	50.7314	0.9706
11/12/2018	97.7473	0.1202	0.8903	1.0105	2.2632	268.5669	7.2102	38.3013	50.5721	0.9702
12/12/2018	97.2096	0.1337	0.8309	0.9647	2.5117	268.2370	7.0066	38.2208	50.4968	0.9706
13/12/2018	96.7522	0.1406	0.9637	1.1043	2.5978	269.7974	6.8973	38.2531	50.5087	0.9718
14/12/2018	96.6623	0.1446	0.9292	1.0738	2.8003	263.0014	6.6397	38.4757	50.6630	0.9709
15/12/2018	96.6913	0.1934	1.2410	1.4345	2.9539	263.6592	6.5894	38.4114	50.4490	0.9692
16/12/2018	96.8796	0.1813	1.0171	1.1985	3.1903	263.7342	6.8272	38.5433	50.6287	0.9692
17/12/2018	97.6637	0.1287	0.8253	0.9540	2.8318	264.9493	6.7589	38.3091	50.5509	0.9708
18/12/2018	97.3977	0.1278	0.9435	1.0713	2.1309	264.2581	6.8191	38.0984	50.3906	0.9707
19/12/2018	97.6215	0.1609	0.8494	1.0103	4.3634	258.2564	6.6105	38.8957	50.8789	0.9708
20/12/2018	97.2775	0.1289	0.7850	0.9139	2.0286	256.4427	6.6534	38.0459	50.4205	0.9709
21/12/2018	97.3013	0.1337	0.8166	0.9503	2.0157	257.6824	6.6099	38.0430	50.4191	0.9711
22/12/2018	97.2203	0.1688	0.8229	0.9917	4.3553	260.5575	6.6366	39.5898	51.2947	0.9718
23/12/2018	97.4093	0.1347	0.8060	0.9408	4.3698	261.1245	6.6546	39.4787	51.2273	0.9703
24/12/2018	97.8967	0.1395	0.8547	0.9942	2.3071	258.3629	6.6490	38.1893	50.4885	0.9708
25/12/2018	97.6904	0.1644	1.3157	1.4801	2.0316	258.4608	6.6757	37.9955	50.3147	0.9712
26/12/2018	98.2467	0.1308	0.9349	1.0658	2.1082	257.1214	6.7105	38.0588	50.4174	0.9713
27/12/2018	98.3675	0.1180	0.8749	0.9928	0.9966	257.8738	6.5069	37.7183	50.2117	0.9712
28/12/2018	98.1683	0.1127	0.8495	0.9622	1.0948	257.2630	6.5938	37.7694	50.2477	0.9721
29/12/2018	98.2731	0.1154	0.8496	0.9651	1.6822	256.7281	6.6981	37.9536	50.3649	0.9716
30/12/2018	98.4073	0.1174	0.8534	0.9708	1.0741	256.0135	6.4411	37.7633	50.2517	0.9710
31/12/2018	97.9987	0.1235	0.8846	1.0080	2.8511	256.6367	6.4411	38.4967	50.6584	0.9710
<b>Máximo</b>	98.4073	0.1977	1.3157	1.4801	5.0365	273.4733	7.9458	39.5898	51.2947	0.9721

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> )
01/12/2018	96.5378	0.1016	0.7424	0.8440	2.0289	263.1725	6.1940	38.0468	50.4363	0.9690
02/12/2018	96.5539	0.0979	0.7455	0.8434	1.9977	260.8567	6.6496	38.0401	50.4333	0.9692
03/12/2018	96.3783	0.1040	0.7465	0.8505	2.1675	261.1666	6.5379	38.0882	50.4579	0.9685
04/12/2018	94.9963	0.1089	0.8270	0.9359	2.3017	262.0367	6.4386	38.1366	50.4506	0.9692
05/12/2018	93.6589	0.1098	0.7400	0.8498	2.2863	262.6357	6.2859	38.1502	50.4882	0.9691
06/12/2018	95.8740	0.1058	0.7446	0.8504	2.0769	258.7344	6.2859	38.0776	50.4373	0.9691
07/12/2018	94.7110	0.1052	0.7570	0.8622	1.3986	261.4788	6.7372	37.8725	50.3323	0.9687
08/12/2018	96.2740	0.1120	0.7692	0.8812	1.9374	263.4444	6.7744	38.0412	50.4237	0.9686
09/12/2018	96.2246	0.0951	0.7581	0.8532	1.5441	250.9845	6.0252	37.9118	50.3563	0.9690
10/12/2018	95.6337	0.0951	0.7612	0.8563	1.6434	262.9358	5.7092	37.9370	50.3658	0.9686
11/12/2018	96.6139	0.0824	0.7611	0.8435	1.3425	264.9497	6.3635	37.8472	50.3182	0.9690
12/12/2018	96.4163	0.0927	0.7705	0.8632	1.8187	265.3106	5.2629	38.0148	50.4092	0.9692
13/12/2018	96.2624	0.1005	0.7765	0.8770	2.2476	264.1714	5.2585	38.1261	50.4593	0.9693
14/12/2018	96.0081	0.1024	0.7691	0.8715	2.2590	264.5391	5.5480	38.1202	50.4273	0.9692
15/12/2018	95.3553	0.1172	0.7799	0.8971	2.1370	264.8254	6.1294	38.0052	50.2872	0.9686
16/12/2018	95.3266	0.1145	0.7657	0.8802	2.1320	264.8924	5.4230	38.0687	50.4104	0.9684
17/12/2018	96.1171	0.1053	0.7914	0.8967	1.3837	266.2541	5.7843	37.8362	50.2840	0.9687
18/12/2018	96.8148	0.1041	0.7617	0.8658	1.6421	256.9878	5.1188	37.9151	50.3194	0.9688
19/12/2018	94.3811	0.1027	0.7552	0.8579	1.4356	255.5636	5.3516	37.8665	50.3132	0.9689
20/12/2018	97.0487	0.1070	0.7617	0.8687	1.8067	256.6703	5.6086	37.9759	50.3819	0.9687
21/12/2018	97.0679	0.1073	0.7614	0.8687	1.7772	257.5726	5.1058	37.9595	50.3642	0.9691
22/12/2018	93.3189	0.1116	0.7270	0.8386	1.8145	257.3382	6.1897	37.9636	50.3540	0.9693
23/12/2018	93.4478	0.1053	0.7515	0.8567	1.6261	258.2120	5.5844	37.9382	50.3547	0.9694
24/12/2018	96.6466	0.1026	0.7585	0.8611	1.1902	259.2400	5.5453	37.7905	50.2748	0.9691
25/12/2018	96.8703	0.1005	0.8667	0.9672	1.2800	259.1566	5.8563	37.6520	50.0470	0.9695
26/12/2018	96.9448	0.0941	0.7931	0.8872	0.8278	255.8190	5.6744	37.6779	50.2049	0.9690
27/12/2018	98.0434	0.0885	0.7991	0.8876	0.7152	259.7416	5.5937	37.6399	50.1817	0.9691
28/12/2018	97.9252	0.0915	0.7869	0.8784	0.9223	257.6095	5.5441	37.6914	50.2034	0.9697
29/12/2018	97.3615	0.0925	0.7821	0.8747	0.8176	257.8129	5.1871	37.6846	50.2172	0.9698
30/12/2018	97.9625	0.0919	0.7760	0.8679	0.7120	257.8831	5.3094	37.6600	50.2156	0.9697
31/12/2018	95.7929	0.0926	0.7896	0.8823	1.0331	256.4620	5.3094	37.7333	50.2205	0.9697
<b>Mínimo</b>	93.3189	0.0824	0.7270	0.8386	0.7120	250.9845	5.1058	37.6399	50.0470	0.9684

**Observaciones:**