

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL
(Valores promedio 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 Rocío (K)	Humedad (mg/m ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulphídrico (mg/m ³)	Azufre total* (mg/m ³)	Oxígeno* (% vol)
01/11/2015	89.8783	0.1120	2.6387	2.7508	6.6572	261.5819	2.8625	39.0636	50.1488	0.0870		
02/11/2015	89.5557	0.1220	2.6536	2.7756	6.9091	261.5811	2.2714	39.1532	50.1882	0.1098		
03/11/2015	89.5625	0.1255	2.6624	2.7879	6.9174	261.2730	2.8641	39.1303	50.1683	0.1442		
04/11/2015	89.4726	0.1535	2.6509	2.8044	6.9473	261.4566	3.1028	39.1605	50.1712	0.1281		
05/11/2015	89.2175	0.1436	2.6332	2.7769	7.2395	261.8422	3.9213	39.2490	50.2372	0.1327		
06/11/2015	89.4914	0.1043	2.6972	2.8015	6.9520	262.1803	3.9005	39.1526	50.1799	0.1007		
07/11/2015	89.3693	0.1214	2.6719	2.7933	7.0208	262.0950	2.7872	39.2118	50.2125	0.0664		
08/11/2015	89.4515	0.1149	2.6626	2.7775	7.0237	261.8667	2.4604	39.1799	50.2032	0.0984		
09/11/2015	89.3523	0.1214	2.6386	2.7600	7.0172	262.5271	2.4620	39.2619	50.2560	0.1510		
10/11/2015	89.1108	0.1267	2.5876	2.7143	7.2658	262.9714	2.0215	39.3666	50.3356	0.1785		
11/11/2015	89.3134	0.1307	2.5576	2.6883	7.2000	261.9912	2.7600	39.2925	50.3033	0.1785		
12/11/2015	89.4932	0.1269	2.5563	2.6832	6.9952	262.2868	2.9074	39.2578	50.2864	0.1304		
13/11/2015	89.3315	0.1186	2.5670	2.6856	7.1298	262.4049	2.4556	39.3158	50.3227	0.1327		
14/11/2015	89.2565	0.1122	2.6605	2.7727	7.1687	261.7956	2.8080	39.2569	50.2511	0.1030		
15/11/2015	89.3364	0.1227	2.6602	2.7829	7.0944	261.5784	2.7360	39.2216	50.2234	0.1281		
16/11/2015	89.1347	0.1149	2.6566	2.7715	7.2670	260.9758	2.8945	39.2998	50.2751	0.2975		
17/11/2015	89.3966	0.1274	2.5496	2.6770	7.1542	262.3026	1.6387	39.2723	50.2979	0.1053		
18/11/2015	89.5774	0.1178	2.5497	2.6676	6.9662	263.4555	3.4488	39.2373	50.2839	0.0503		
19/11/2015	89.5652	0.1219	2.5802	2.7021	7.0030	263.5512	1.8870	39.1911	50.2416	0.0664		
20/11/2015	89.5672	0.1135	2.5951	2.7086	6.9653	263.9597	1.4865	39.1990	50.2450	0.0961		
21/11/2015	89.5982	0.1201	2.5862	2.7064	6.9461	263.7619	1.4369	39.1868	50.2375	0.0801		
22/11/2015	89.5907	0.1133	2.6208	2.7341	6.9079	262.9371	1.4224	39.1734	50.2192	0.0687		
23/11/2015	89.5292	0.1029	2.6244	2.7273	6.9715	264.0458	1.4737	39.1987	50.2390	0.0618		
24/11/2015	89.0576	0.0938	2.5374	2.6312	7.2850	264.8167	1.5810	39.4846	50.4466	0.0778		
25/11/2015	89.1953	0.1063	2.7902	2.8966	7.1269	264.0817	2.6511	39.1804	50.1539	0.0709		
26/11/2015	88.9221	0.1661	2.6773	2.8434	7.2611	262.5131	2.7584	39.3126	50.2192	0.0664		
27/11/2015	89.2723	0.1045	2.7058	2.8103	7.1355	262.0864	1.9302	39.2384	50.2378	0.0847		
28/11/2015	89.2778	0.0999	2.6335	2.7334	7.0945	261.0541	1.5490	39.2291	50.2229	0.0503		
29/11/2015	89.2778	0.0999	2.7058	2.8056	7.0945	261.0635	1.4785	39.2291	50.2229	0.0824		
30/11/2015	89.4360	0.1050	2.6335	2.7385	7.0464	261.5759	1.3984	39.2161	50.2438	0.0687		

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

Mínimo	88.9221	0.0938	2.5374	2.6312	6.6572	260.9758	1.3984	39.0636	50.1488	0.0503		
Promedio	89.3864	0.1188	2.6315	2.7503	7.0588	262.3871	2.3785	39.2307	50.2425	0.1066		
Máximo	89.8783	0.1661	2.7902	2.8966	7.2850	264.8167	3.9213	39.4846	50.4466	0.2975		
Desv. Est.	0.198286384	0.015570236	0.0572603	0.057882632	0.140332813	1.027426869	0.740093146	0.078701913	0.060828935	0.050374877		

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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)
01/11/2015	90.0630	0.1494	2.6828	2.8322	6.8678	263.4105	5.3576	39.1618	50.2065	0.1437
02/11/2015	89.7939	0.1350	2.6794	2.8144	7.0653	262.9949	3.2931	39.1973	50.2008	0.2725
03/11/2015	89.8102	0.1529	2.7110	2.8639	7.2328	262.7998	3.3324	39.2121	50.2052	0.2338
04/11/2015	90.0630	0.1494	2.6828	2.8322	6.8678	263.4105	3.6161	39.1618	50.2065	0.2202
05/11/2015	89.9965	0.1729	2.7067	2.8796	7.2887	262.8899	6.1213	39.3577	50.2996	0.2190
06/11/2015	89.4851	0.1516	2.6658	2.8173	7.4082	263.6378	7.5563	39.3429	50.3016	0.1743
07/11/2015	89.7812	0.1290	2.7453	2.8743	7.2649	263.5120	4.2395	39.2719	50.2522	0.1053
08/11/2015	89.7572	0.1373	2.8362	2.9735	7.1416	263.5325	4.9654	39.2815	50.2435	0.1399
09/11/2015	89.7983	0.1232	2.7030	2.8261	7.3043	262.8422	6.1242	39.2966	50.2571	0.2435
10/11/2015	89.6554	0.1430	2.6926	2.8356	7.2183	263.5537	4.4041	39.3216	50.2823	0.2904
11/11/2015	89.6383	0.1503	2.6204	2.7706	7.3852	263.0851	5.9488	39.4424	50.3804	0.2586
12/11/2015	89.7108	0.1541	2.6081	2.7622	7.1856	263.3266	6.2936	39.3648	50.3491	0.1717
13/11/2015	89.6885	0.1383	2.6167	2.7550	7.3251	263.6974	5.5700	39.4169	50.3889	0.2145
14/11/2015	89.4766	0.1249	2.7015	2.8264	7.2804	263.1878	6.9511	39.3272	50.2783	0.3361
15/11/2015	89.5373	0.1456	2.7137	2.8593	7.2299	262.3547	5.3776	39.2854	50.2609	0.1494
16/11/2015	89.3953	0.1263	2.7143	2.8406	7.4401	262.7398	4.1609	39.3585	50.2879	0.4753
17/11/2015	89.6582	0.1475	2.5908	2.7383	7.3998	263.5163	5.0560	39.3630	50.3441	0.2516
18/11/2015	89.6909	0.1398	2.5723	2.7120	7.0654	264.4676	4.9268	39.2814	50.3066	0.1852
19/11/2015	89.8080	0.1323	2.6227	2.7549	7.1407	265.2136	2.7411	39.2858	50.2981	0.0814
20/11/2015	89.7056	0.1215	2.6318	2.7534	7.1706	265.2696	5.4557	39.2437	50.2725	0.1705
21/11/2015	89.6744	0.1347	2.6331	2.7678	7.1768	265.2367	5.9382	39.3198	50.3372	0.2662
22/11/2015	89.8215	0.1210	2.6328	2.7538	7.1404	264.3868	2.7454	39.2674	50.2739	0.1377
23/11/2015	89.8775	0.1102	2.6603	2.7705	7.1827	264.8671	2.6892	39.2763	50.2699	0.0950
24/11/2015	89.8108	0.1137	2.7286	2.8423	7.7299	266.5140	2.3998	39.6406	50.5398	0.1298
25/11/2015	89.5534	0.1174	2.8967	3.0141	7.4611	265.5743	6.7538	39.4120	50.3105	0.1013
26/11/2015	89.3736	0.1956	2.7950	2.9907	7.5122	264.0880	6.8853	39.4714	50.3255	0.4488
27/11/2015	89.5968	0.1491	2.7229	2.8720	7.3999	263.1107	5.5425	39.3294	50.2860	0.1641
28/11/2015	89.4716	0.1230	2.7252	2.8481	7.5264	263.4245	3.4017	39.6940	50.7196	0.1644
29/11/2015	89.5753	0.1063	2.7493	2.8556	7.2522	262.3461	2.5878	39.3043	50.2441	0.2473
30/11/2015	89.7027	0.1211	2.6644	2.7855	7.2389	262.2089	4.0264	39.3136	50.3069	0.0959

Máximo	90.0630	0.1956	2.8967	3.0141	7.7299	266.5140	7.5563	39.6940	50.7196	0.4753
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Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos 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 ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)
01/11/2015	89.6527	0.0995	2.5490	2.6485	6.4795	260.4817	1.1279	38.9988	50.1171	0.0350
02/11/2015	89.3974	0.0978	2.6333	2.7311	6.7604	260.1160	1.2299	39.0472	50.1163	0.0248
03/11/2015	89.2169	0.1065	2.5432	2.6496	6.7144	260.3857	2.1916	39.0728	50.1456	0.0203
04/11/2015	89.0153	0.1287	2.5762	2.7050	6.5114	260.1312	2.7274	38.9979	50.0831	0.0189
05/11/2015	89.0278	0.1282	2.5564	2.6846	7.0721	260.8444	2.6956	39.1122	50.1484	0.0478
06/11/2015	89.1734	0.0933	2.6477	2.7410	6.7087	261.2448	1.8489	39.0363	50.1113	0.0424
07/11/2015	89.1547	0.0985	2.5962	2.6947	6.6973	261.4095	1.5469	39.0551	50.1009	0.0339
08/11/2015	89.0543	0.1073	2.6230	2.7303	6.7588	260.7502	1.4686	39.0679	50.1470	0.0106
09/11/2015	89.1299	0.1110	2.5536	2.6646	6.8384	261.8005	1.3314	39.1883	50.2385	0.0729
10/11/2015	88.7163	0.1067	2.5303	2.6370	6.9676	261.9516	0.8179	39.2007	50.2464	0.0962
11/11/2015	88.9322	0.1058	2.4995	2.6053	6.9455	261.1405	1.4872	39.1942	50.2494	0.0856
12/11/2015	89.2755	0.1139	2.5060	2.6200	6.7931	261.0729	1.1239	39.1448	50.2020	0.0695
13/11/2015	89.0866	0.1017	2.4981	2.5998	6.9101	261.2027	1.0026	39.1932	50.2532	0.0181
14/11/2015	89.0447	0.1012	2.6089	2.7100	7.0525	261.2614	1.1585	39.2015	50.2393	0.0534
15/11/2015	89.1259	0.1109	2.5776	2.6886	6.9379	260.7806	1.5095	39.1374	50.1733	0.0704
16/11/2015	88.8941	0.1111	2.5791	2.6902	7.0939	259.3625	1.3870	39.2181	50.2320	0.1535
17/11/2015	89.0930	0.1158	2.4988	2.6146	6.9712	261.0177	0.6595	39.1871	50.2556	0.0479
18/11/2015	89.4731	0.0834	2.5336	2.6170	6.8743	262.8107	1.1085	39.1811	50.2450	0.0262
19/11/2015	89.3371	0.1081	2.5396	2.6477	6.8500	261.6253	1.1421	39.1164	50.2109	0.0275
20/11/2015	89.3786	0.1046	2.5478	2.6524	6.8499	262.8942	0.9195	39.1439	50.2135	0.0070
21/11/2015	89.3281	0.1100	2.5235	2.6335	6.8232	262.2595	0.3862	39.1414	50.1979	0.0317
22/11/2015	89.3439	0.1059	2.6099	2.7158	6.7226	261.7171	0.2002	39.0822	50.1624	0.0051
23/11/2015	89.2408	0.0882	2.4511	2.5393	6.7093	262.5057	0.3626	39.1062	50.1926	0.0359
24/11/2015	88.5118	0.0674	2.4276	2.4950	6.7932	263.3652	0.5913	39.2468	50.3475	0.0011
25/11/2015	88.7323	0.0966	2.7190	2.8156	6.8833	262.8967	0.9512	39.0691	50.0936	0.0139
26/11/2015	88.5895	0.1171	2.6619	2.7790	6.9922	261.2973	0.9836	39.1331	50.1265	0.0178
27/11/2015	88.9574	0.0794	2.6401	2.7195	6.9311	260.9433	0.8868	39.1229	50.1861	0.0067
28/11/2015	88.8171	0.0770	2.1720	2.2489	6.9402	260.7568	0.5315	39.1645	50.1891	0.0159
29/11/2015	89.0208	0.0789	2.6661	2.7450	6.8758	259.6432	0.6026	39.1487	50.1949	0.0146
30/11/2015	89.1902	0.0921	2.5816	2.6737	6.7778	260.3552	0.5864	39.1169	50.1792	0.0158
							0.0000			0.0000

Mínimo	88.5118	0.0674	2.1720	2.2489	6.4795	259.3625	0.0000	38.9979	50.0831	0.0000
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Observaciones: