

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

(Valores promedio diarios)



<b>PERMISIONARIO:</b>	<b>GASODUCTO DE MORELOS S.A.P.I DE C.V</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>Tlaxco/Tlaxcala</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 Sulfhídrico (mg/m <sup>3</sup> )	Azufre total* (mg/m <sup>3</sup> )	Oxígeno* (% vol)
01/11/2017	95.7375	0.8521	0.2954	1.1475	2.8205	248.9255	45.5103	38.3690	50.3233	0.4219	0.0000	0.0000
02/11/2017	95.5486	0.8152	0.2729	1.0881	3.0035	248.5377	42.6135	38.4808	50.4202	0.3024		
03/11/2017	95.1542	0.7697	0.2621	1.0318	3.3313	248.6130	45.1522	38.7028	50.6141	0.2992		
04/11/2017	95.2222	0.0000	0.0000	0.0000	3.2833	249.7241	48.2562	38.7343	50.6506	0.8964		
05/11/2017	95.2367	0.0298	0.0098	0.0396	3.2697	249.3884	47.5434	38.7264	50.6444	0.8739		
06/11/2017	95.3960	0.6893	0.3001	0.9895	3.1555	249.9266	45.8861	38.6251	50.5778	0.3533		
07/11/2017	95.2683	0.7258	0.2871	1.0129	3.2740	248.8907	43.8214	38.6409	50.5656	0.5585		
08/11/2017	95.5625	0.7250	0.3018	1.0269	3.0506	248.6188	43.0314	38.5201	50.4961	0.5201		
09/11/2017	95.4624	0.6940	0.2848	0.9788	3.1439	247.3919	45.9668	38.5941	50.5623	0.4865		
10/11/2017	95.4807	0.7074	0.2681	0.9755	3.1295	247.7055	41.8410	38.5925	50.5615	1.5967		
11/11/2017	95.2538	0.6629	0.2553	0.9096	3.3058	248.1558	44.3516	38.7338	50.6782	0.6458		
12/11/2017	95.7337	0.6713	0.2283	0.8997	2.8241	248.4509	42.7645	38.6213	50.6204	0.3404		
13/11/2017	95.3979	0.6116	0.2343	0.8459	3.0845	249.7819	40.0081	38.8003	50.7471	0.1877		
14/11/2017	95.4959	0.6141	0.2489	0.8630	2.9795	249.4232	43.3403	38.7560	50.7250	0.7951		
15/11/2017	95.5987	0.6031	0.2441	0.8473	2.9135	249.0065	51.0547	38.6862	50.6708	0.1290		
16/11/2017	95.6966	0.0000	0.0000	0.0000	2.8380	250.3259	51.8097	38.6221	50.6152	0.0987		
17/11/2017	95.5457	0.4452	0.1525	0.5977	2.9324	250.1986	59.2783	38.7814	50.7578	0.1661		
18/11/2017	95.5888	0.6596	0.2285	0.8880	2.8384	248.7171	53.9832	38.7222	50.6871	0.1732		
19/11/2017	95.6807	0.6656	0.2646	0.9303	2.8236	248.2600	47.4767	38.6256	50.6107	0.0316		
20/11/2017	95.9920	0.6976	0.2701	0.9677	2.5583	248.9139	44.8467	38.4849	50.5115	0.0781		
21/11/2017	95.9580	0.6746	0.2474	0.9220	2.5775	248.6361	49.9171	38.5439	50.5666	0.1340		
22/11/2017	96.3831	0.7637	0.2514	1.0151	2.2262	247.7854	48.9128	38.3006	50.3628	0.1708		
23/11/2017	96.0935	0.7580	0.2626	1.0206	2.4574	247.4787	46.1494	38.3971	50.4244	0.7465		
24/11/2017	95.9146	0.7156	0.2565	0.9721	2.5977	246.4776	43.0313	38.5092	50.5099	0.1494		
25/11/2017	95.6518	0.7430	0.2547	0.9977	2.8247	246.0725	47.0518	38.5711	50.5298	0.1485		
26/11/2017	95.7399	0.7187	0.2501	0.9688	2.7673	245.4741	42.7013	38.5629	50.5444	0.1146		
27/11/2017	95.8169	0.6728	0.2309	0.9037	2.6783	246.3907	49.8187	38.6126	50.6135	0.1344		
28/11/2017	95.8922	0.6879	0.2345	0.9223	2.6137	245.9856	41.5952	38.5674	50.5797	-0.8383		
29/11/2017	95.9833	0.7488	0.2592	1.0080	2.5490	246.1998	39.7693	38.4457	50.4521	0.2189		
30/11/2017	95.6846	0.7236	0.2802	1.0038	2.7577	247.2035	49.0989	38.5685	50.5248	0.1906		
01/12/2017												

\*/ 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>	95.1542	0.0000	0.0000	0.0000	2.2262	245.4741	39.7693	38.3006	50.3233	-0.8383		
<b>Promedio</b>	95.6390	0.6205	0.2285	0.8486	2.9037	248.3306	46.3469	38.6030	50.5775	0.3469		
<b>Máximo</b>	96.3831	0.8521	0.3018	1.1475	3.3313	250.3259	59.2783	38.8003	50.7578	1.5967		
<b>Desv. Est.</b>	0.287086903	0.221761378	0.08224411	0.302168281	0.282045408	1.339690244	4.2968	0.123663066	0.106138829	0.4052		

Observaciones:

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



(Registros máximos diarios)

**PERMISIONARIO:** GASODUCTO DE MORELOS S.A.P.I DE C.V

**PUNTO DE MEDICIÓN:** Tlaxco/Tlaxcala

**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> )
01/11/2017	95.5486	0.8834	0.3088	1.1921	3.0040	249.6778	111.4076	38.4211	50.3613	0.5381
02/11/2017	95.8465	0.8701	0.2990	1.1690	3.2873	249.6778	57.7263	38.6405	50.5589	0.4578
03/11/2017	95.4045	0.7997	0.2819	1.0816	3.5394	251.2056	61.0129	38.7732	50.6529	0.4159
04/11/2017	95.2271	0.0000	0.0000	0.0000	3.2856	251.3445	71.6312	38.7359	50.6528	16.1182
05/11/2017	95.6290	0.7146	0.2349	0.9495	3.2866	250.7889	73.7379	38.7352	50.6507	16.1110
06/11/2017	95.7982	0.7923	0.3370	1.1293	3.5604	252.1778	52.5014	38.7679	50.6804	0.5992
07/11/2017	95.5699	0.7688	0.3097	1.0785	3.4257	251.6223	50.8160	38.7530	50.6536	1.0055
08/11/2017	95.9957	0.7644	0.3221	1.0865	3.2642	251.6223	54.6925	38.6793	50.6084	0.9564
09/11/2017	95.7724	0.7676	0.3181	1.0857	3.4443	249.5389	100.1148	38.8160	50.7366	0.7706
10/11/2017	95.7761	0.7785	0.2924	1.0709	3.4924	249.8167	71.3785	38.8704	50.7927	14.2605
11/11/2017	95.4428	0.7216	0.2755	0.9971	3.4521	249.5389	100.1991	38.7888	50.7289	1.0331
12/11/2017	95.8992	0.7336	0.2385	0.9721	3.0792	250.9278	80.5642	38.6629	50.6368	0.5213
13/11/2017	95.8318	0.6851	0.2692	0.9543	3.2340	250.7889	107.7838	38.9192	50.8574	0.2936
14/11/2017	95.8569	0.6809	0.2698	0.9506	3.2421	251.2056	73.0639	38.8830	50.8139	15.9695
15/11/2017	95.7233	0.6765	0.2737	0.9502	3.0158	251.4834	109.5537	38.7784	50.7589	0.2744
16/11/2017	95.7034	0.0000	0.0000	0.0000	2.8406	251.6223	119.9191	38.6238	50.6165	0.3140
17/11/2017	95.9430	0.6754	0.2283	0.9037	3.2621	251.3445	76.8560	39.0760	50.9974	0.3416
18/11/2017	95.7754	0.7175	0.2508	0.9683	3.0196	251.7611	60.0859	38.8953	50.8217	0.3955
19/11/2017	95.7994	0.6780	0.2715	0.9495	3.0025	249.1222	59.5802	38.6767	50.6371	0.1989
20/11/2017	96.3187	0.8014	0.3138	1.1152	2.6927	251.6222	70.6201	38.5884	50.6015	0.2349
21/11/2017	96.5564	0.7762	0.2937	1.0699	3.0020	251.2056	110.0589	38.6480	50.6419	0.2433
22/11/2017	96.6026	0.8232	0.2991	1.1222	2.3087	247.7334	108.8791	38.3526	50.4115	0.2852
23/11/2017	96.4185	0.8564	0.2901	1.1465	2.6989	249.8167	111.8290	38.6119	50.6631	14.2509
24/11/2017	96.0659	0.7463	0.2738	1.0201	2.6594	249.5389	104.3285	38.5772	50.5673	0.3092
25/11/2017	95.7600	0.7750	0.2683	1.0433	2.9135	248.7056	109.3849	38.6078	50.5602	0.3691
26/11/2017	95.8788	0.7534	0.2691	1.0225	2.8473	247.5945	102.7273	38.6115	50.5753	0.2373
27/11/2017	95.9307	0.7131	0.2464	0.9594	2.8068	248.0111	108.7106	38.6934	50.6765	0.4291
28/11/2017	96.2799	0.7466	0.2641	1.0106	2.8657	248.0112	105.2555	38.7255	50.6898	0.1798
29/11/2017	96.0729	0.8354	0.2784	1.1138	2.6391	248.4278	107.1937	38.4759	50.5031	0.4027
30/11/2017	97.0312	0.8984	1.2014	2.0997	2.9472	260.0945	107.0255	38.6744	50.6378	0.3488
01/12/2017										
<b>Máximo</b>	97.0312	0.8984	1.2014	2.0997	3.5604	260.0945	119.9191	39.0760	50.9974	16.1182

Observaciones:

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



(Registros mínimos diarios)

**PERMISIONARIO:** GASODUCTO DE MORELOS S.A.P.I DE C.V

**PUNTO DE MEDICIÓN:** Tlaxco/Tlaxcala

**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	95.5012	0.8085	0.2825	1.0909	2.6526	247.5944	20.7309	38.3172	50.2893	0.3296
02/11/2017	95.2167	0.7579	0.2461	1.0040	2.7257	247.0389	24.1860	38.3448	50.3111	0.1965
03/11/2017	94.8810	0.0000	0.0000	0.0000	3.1333	247.0389	38.7651	38.6297	50.5758	0.2337
04/11/2017	95.2181	0.0000	0.0000	0.0000	3.2789	248.4278	27.5569	38.7333	50.6498	0.0611
05/11/2017	95.2166	0.0000	0.0000	0.0000	2.9022	248.2889	25.2816	38.5560	50.5221	0.0467
06/11/2017	94.9705	0.6104	0.2574	0.8677	2.7831	247.4556	21.7422	38.4323	50.4042	0.0599
07/11/2017	95.0946	0.6600	0.2582	0.9183	3.0127	246.7611	35.9841	38.5199	50.4970	0.3535
08/11/2017	95.3453	0.6716	0.2892	0.9608	2.7043	245.9278	39.4393	38.3541	50.3867	-1.1961
09/11/2017	95.0599	0.6042	0.2585	0.8628	2.8834	245.3722	23.4276	38.4435	50.4430	0.2912
10/11/2017	95.0054	0.5995	0.2485	0.8480	2.8777	242.7611	13.8206	38.4640	50.4635	-1.1326
11/11/2017	95.1136	0.6257	0.2203	0.8844	3.0735	246.0667	17.8657	38.6484	50.6137	0.3464
12/11/2017	95.4220	0.6414	0.2201	0.8616	2.7015	246.3444	20.2253	38.5876	50.5999	0.2181
13/11/2017	95.1707	0.5610	0.2121	0.7732	2.7586	248.8444	15.5903	38.5683	50.5179	0.1151
14/11/2017	95.2027	0.5831	0.2313	0.8144	2.7016	247.8722	15.4218	38.5396	50.5498	0.0743
15/11/2017	95.4584	0.0000	0.0000	0.0000	2.8057	246.6222	42.5573	38.5917	50.5787	0.0228
16/11/2017	95.6925	0.0000	0.0000	0.0000	2.8341	249.5389	25.8715	38.6189	50.6128	0.0012
17/11/2017	95.0877	0.0000	0.0000	0.0000	2.6474	249.2611	35.8156	38.5694	50.5890	0.0851
18/11/2017	95.3329	0.5954	0.1965	0.7919	2.6939	247.3167	51.0688	38.5880	50.5631	0.0527
19/11/2017	95.4920	0.6557	0.2477	0.9034	2.7333	247.3167	41.3775	38.5824	50.5865	-1.5772
20/11/2017	95.7826	0.6489	0.2487	0.8975	2.3045	246.3445	37.6696	38.2554	50.2949	-0.0048
21/11/2017	95.5170	0.6363	0.2290	0.8653	2.1241	246.9000	19.1297	38.2189	50.3159	0.0515
22/11/2017	96.2638	0.7336	0.2282	0.9618	2.0874	246.7611	20.6466	38.2204	50.2667	0.0863
23/11/2017	95.7820	0.6629	0.2397	0.9026	2.1756	245.0945	29.5795	38.2289	50.2638	0.0791
24/11/2017	95.8530	0.6688	0.2346	0.9035	2.4794	244.9556	36.3212	38.4521	50.4320	0.0527
25/11/2017	95.5577	0.7195	0.2355	0.9550	2.7245	244.1222	36.7426	38.5370	50.5043	0.0467
26/11/2017	95.6375	0.7027	0.2260	0.9287	2.6259	243.5389	22.7534	38.5105	50.5038	0.0048
27/11/2017	95.6538	0.6404	0.2142	0.8546	2.5858	245.0945	32.9503	38.5426	50.5509	0.0384
28/11/2017	95.5911	0.6444	0.2100	0.8544	2.3334	243.4278	20.8994	38.3507	50.3967	-3.2706
29/11/2017	95.8593	0.7006	0.2440	0.9446	2.4700	244.6778	27.4727	38.3511	50.3288	0.1246
30/11/2017	95.4576	0.0919	0.2171	0.3090	1.3392	215.8789	29.8323	37.9443	50.1605	0.0947
01/12/2017										
<b>Mínimo</b>	94.8810	0.0000	0.0000	0.0000	1.3392	215.8789	13.8206	37.9443	50.1605	-3.2706

Observaciones:

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

(Valores promedio diarios)



<b>PERMISIONARIO:</b>	<b>GASODUCTO DE MORELOS S.A.P.I DE C.V</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>Huejotzingo/Puebla</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 Sulfhídrico (mg/m <sup>3</sup> )	Azufre total* (mg/m <sup>3</sup> )	Oxígeno* (% vol)
01/11/2017	95.2053	0.0000	0.0000	0.0000	3.0191	250.3028	248.8208	38.3991	50.2981	0.0175	0.0000	0.0000
02/11/2017	95.2660	0.0000	0.0000	0.0000	3.0214	249.7299	222.4831	38.4397	50.3544	0.0438		
03/11/2017	95.2874	0.0000	0.0000	0.0000	3.0177	249.3074	212.2070	38.4499	50.3702	0.2083		
04/11/2017	95.3023	0.0000	0.0000	0.0000	3.0106	249.2843	212.1647	38.4518	50.3714	0.1595		
05/11/2017	95.3213	0.0000	0.0000	0.0000	3.0054	249.1396	213.7274	38.4464	50.3723	0.1580		
06/11/2017	95.3304	0.0000	0.0000	0.0000	3.0001	248.9428	210.9648	38.4490	50.3743	0.2360		
07/11/2017	95.3434	0.0000	0.0000	0.0000	2.9950	248.9775	217.2993	38.4486	50.3763	0.2205		
08/11/2017	95.3534	0.0000	0.0000	0.0000	2.9899	249.0759	216.1098	38.4504	50.3788	0.2682		
09/11/2017	95.3692	0.0000	0.0000	0.0000	2.9865	249.0817	214.4418	38.4455	50.3749	0.1193		
10/11/2017	95.3789	0.0000	0.0000	0.0000	2.9835	249.0007	214.3291	38.4447	50.3756	0.0468		
11/11/2017	95.3909	0.0000	0.0000	0.0000	2.9796	248.9718	210.7430	38.4427	50.3753	-0.0237		
12/11/2017	95.3983	0.0000	0.0000	0.0000	2.9755	249.0644	218.8653	38.4448	50.3775	0.0740		
13/11/2017	95.4086	0.0000	0.0000	0.0000	2.9718	248.7981	202.9093	38.4442	50.3788	1.8891		
14/11/2017	95.4168	0.0000	0.0000	0.0000	2.9686	248.7924	215.0470	38.4446	50.3812	0.0906		
15/11/2017	95.4266	0.0000	0.0000	0.0000	2.9651	248.7577	212.0909	38.4449	50.3821	0.1364		
16/11/2017	95.4379	0.0000	0.0000	0.0000	2.9616	248.9197	214.7197	38.4439	50.3831	0.2161		
17/11/2017	95.4466	0.0000	0.0000	0.0000	2.9600	248.7056	211.3976	38.4405	50.3792	0.2711		
18/11/2017	95.4686	0.0000	0.0000	0.0000	2.9381	248.3526	211.5560	38.4339	50.3585	0.2666		
19/11/2017	95.4854	0.0000	0.0000	0.0000	2.9266	248.5088	203.0501	38.4318	50.3741	0.1881		
20/11/2017	95.4938	0.0000	0.0000	0.0000	2.9241	248.3468	199.2809	38.4334	50.3781	0.1409		
21/11/2017	95.5008	0.0000	0.0000	0.0000	2.9213	248.3988	205.7669	38.4369	50.3828	0.1203		
22/11/2017	95.5110	0.0000	0.0000	0.0000	2.9179	248.2252	185.2605	38.4386	50.3867	0.0591		
23/11/2017	95.5213	0.0000	0.0000	0.0000	2.9143	248.1963	187.0341	38.4406	50.3909	0.1127		
24/11/2017	95.5332	0.0000	0.0000	0.0000	2.9100	248.5146	187.8577	38.4422	50.3947	0.0887		
25/11/2017	95.5447	0.0000	0.0000	0.0000	2.9050	248.6766	198.2463	38.4446	50.3995	0.1329		
26/11/2017	95.5567	0.0000	0.0000	0.0000	2.8982	248.6188	198.3801	38.4480	50.4049	0.1089		
27/11/2017	95.5699	0.0000	0.0000	0.0000	2.8903	248.5146	194.8468	38.4501	50.4103	0.0997		
28/11/2017	95.5875	0.0000	0.0000	0.0000	2.8793	248.3410	192.5980	38.4506	50.4145	-0.3228		
29/11/2017	95.6067	0.0000	0.0000	0.0000	2.8652	247.8549	203.4900	38.4516	50.4192	-0.2530		
30/11/2017	95.6356	0.0000	0.0000	0.0000	2.8474	247.4556	191.7922	38.4472	50.4195	-0.0766		
01/12/2017												

\*/ 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>	95.2053	0.0000	0.0000	0.0000	2.8474	247.4556	185.2605	38.3991	50.2981	-0.3228		
<b>Promedio</b>	95.4366	0.0000	0.0000	0.0000	2.9516	248.7619	207.5827	38.4427	50.3812	0.1599		
<b>Máximo</b>	95.6356	0.0000	0.0000	0.0000	3.0214	250.3028	248.8208	38.4518	50.4195	1.8891		
<b>Desv. Est.</b>	0.108896116	2.58438E-06	2.80938E-06	5.39376E-06	0.048976561	0.542265791	12.8886	0.009853388	0.022557522	0.3534		

Observaciones: Los valores no son representativos o reales debido a que no hubo flujo en esta posición.

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



**(Registros máximos diarios)**

**PERMISIONARIO:** GASODUCTO DE MORELOS S.A.P.I DE C.V

**PUNTO DE MEDICIÓN:** Huejotzingo/Puebla

**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> )
01/11/2017	95.2632	0.0000	0.0000	0.0000	3.0212	251.9000	390.4795	38.4301	50.3446	0.2102
02/11/2017	95.2846	0.0000	0.0000	0.0000	3.0231	251.2056	337.9445	38.4655	50.3732	0.2648
03/11/2017	95.3082	0.0003	0.0004	0.0007	3.0229	251.0667	335.6640	38.4647	50.3755	0.6586
04/11/2017	95.3212	0.0000	0.0000	0.0000	3.0139	250.7889	316.8295	38.4833	50.3763	0.5605
05/11/2017	95.3333	0.0000	0.0000	0.0000	3.0085	250.5111	319.1100	38.4658	50.3777	0.4540
06/11/2017	95.3469	0.0000	0.0000	0.0000	3.0032	250.6500	332.5390	38.4662	50.3796	0.5227
07/11/2017	95.3591	0.0000	0.0000	0.0000	2.9984	250.6500	341.6610	38.4617	50.3806	0.5143
08/11/2017	95.3674	0.0000	0.0000	0.0000	2.9932	250.5111	395.8845	38.4740	50.3825	0.7651
09/11/2017	95.3805	0.0000	0.0000	0.0000	2.9883	250.5111	335.8330	38.4655	50.3825	0.3027
10/11/2017	95.3920	0.0000	0.0000	0.0000	2.9865	250.6500	372.5735	38.4580	50.3797	0.1710
11/11/2017	95.4017	0.0000	0.0000	0.0000	2.9821	250.3723	308.9745	38.4550	50.3807	0.2354
12/11/2017	95.4102	0.0000	0.0000	0.0000	2.9782	250.7889	322.1500	38.4636	50.3819	0.2158
13/11/2017	95.4197	0.0000	0.0000	0.0000	2.9743	250.0945	302.4710	38.4543	50.3833	18.4332
14/11/2017	95.4285	0.0000	0.0000	0.0000	2.9706	250.5112	309.7350	38.4547	50.3844	0.3083
15/11/2017	95.4387	0.0000	0.0000	0.0000	2.9670	250.3723	377.4720	38.4644	50.3863	0.4540
16/11/2017	95.4478	0.0000	0.0000	0.0000	2.9637	250.7889	393.1820	38.4576	50.3878	0.4400
17/11/2017	95.4466	0.0000	0.0000	0.0000	2.9600	248.7056	387.1010	38.4405	50.3792	0.5143
18/11/2017	95.4870	0.0000	0.0000	0.0000	2.9600	249.2612	329.6675	38.4427	50.3792	0.5044
19/11/2017	95.4962	0.0000	0.0000	0.0000	2.9281	250.2334	301.5420	38.4431	50.3801	0.8281
20/11/2017	95.5043	0.0000	0.0000	0.0000	2.9256	250.5111	303.7375	38.4442	50.3836	0.2929
21/11/2017	95.5141	0.0000	0.0000	0.0000	2.9235	249.5389	308.1300	38.4562	50.3878	0.3097
22/11/2017	95.5224	0.0000	0.0000	0.0000	2.9199	250.0945	290.1395	38.4599	50.3935	0.1892
23/11/2017	95.5338	0.0000	0.0000	0.0000	2.9167	249.4000	346.8975	38.4517	50.3966	0.3881
24/11/2017	95.5436	0.0000	0.0000	0.0000	2.9129	250.0945	284.3120	38.4569	50.4010	0.2915
25/11/2017	95.5554	0.0000	0.0000	0.0000	2.9080	250.6500	305.6810	38.4554	50.4060	0.3531
26/11/2017	95.5669	0.0000	0.0000	0.0000	2.9024	250.5111	314.5490	38.4588	50.4117	0.3279
27/11/2017	95.5835	0.0000	0.0000	0.0000	2.8953	249.9556	293.0960	38.4662	50.4160	0.2620
28/11/2017	95.6023	0.0000	0.0000	0.0000	2.8852	249.9556	291.1530	38.4606	50.4192	0.2592
29/11/2017	95.6233	0.0000	0.0000	0.0000	2.8725	250.0945	355.5125	38.4718	50.4220	0.2943
30/11/2017	95.6602	0.0000	0.0000	0.0000	2.8578	249.4000	304.6670	38.4591	50.4251	0.4484
01/12/2017										
<b>Máximo</b>	95.6602	0.0003	0.0004	0.0007	3.0231	251.9000	395.8845	38.4833	50.4251	18.4332

**Observaciones:**

Los valores no son representativos o reales debido a que no hubo flujo en esta posición.

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



(Registros mínimos diarios)

**PERMISIONARIO:** GASODUCTO DE MORELOS S.A.P.I DE C.V

**PUNTO DE MEDICIÓN:** Huejotzingo/Puebla

**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> )
01/11/2017	95.1346	0.0000	0.0000	0.0000	3.0142	249.1223	164.5465	38.3582	50.2375	-0.0364
02/11/2017	95.2494	0.0000	0.0000	0.0000	3.0200	248.1500	140.1370	38.4237	50.3369	-0.0224
03/11/2017	95.2611	0.0000	0.0000	0.0000	3.0131	248.1500	121.8095	38.4401	50.3599	-0.0140
04/11/2017	95.2611	0.0000	0.0000	0.0000	3.0075	248.1500	134.8160	38.4401	50.3623	-0.0308
05/11/2017	95.2946	0.0000	0.0000	0.0000	3.0022	247.7334	131.3535	38.4398	50.3642	-0.0196
06/11/2017	95.3057	0.0000	0.0000	0.0000	2.9977	247.4556	124.7655	38.4390	50.3650	0.0014
07/11/2017	95.3317	0.0000	0.0000	0.0000	2.9923	247.5945	126.2855	38.4386	50.3660	-0.0056
08/11/2017	95.3329	0.0000	0.0000	0.0000	2.9871	247.7334	126.9615	38.4409	50.3683	-0.0056
09/11/2017	95.3459	0.0000	0.0000	0.0000	2.9841	247.5945	140.6440	38.4375	50.3684	0.0168
10/11/2017	95.3595	0.0000	0.0000	0.0000	2.9810	247.4556	141.3200	38.4372	50.3692	-0.0364
11/11/2017	95.3736	0.0000	0.0000	0.0000	2.9773	247.5945	137.6880	38.4372	50.3696	-1.8959
12/11/2017	95.3795	0.0000	0.0000	0.0000	2.9732	247.7334	152.7220	38.4375	50.3715	-0.0196
13/11/2017	95.3933	0.0000	0.0000	0.0000	2.9702	247.3167	143.6005	38.4372	50.3723	-0.0154
14/11/2017	95.4070	0.0000	0.0000	0.0000	2.9664	247.4556	133.9720	38.4372	50.3737	-0.0196
15/11/2017	95.4006	0.0000	0.0000	0.0000	2.9634	247.4556	125.6945	38.4379	50.3756	-0.0098
16/11/2017	95.4188	0.0000	0.0000	0.0000	2.9596	247.5945	127.3840	38.4379	50.3776	0.0000
17/11/2017	95.4466	0.0000	0.0000	0.0000	2.9600	248.7056	130.5090	38.4405	50.3792	0.0210
18/11/2017	95.4466	0.0000	0.0000	0.0000	2.9277	247.1778	131.2690	38.4245	49.9914	0.0084
19/11/2017	95.4683	0.0000	0.0000	0.0000	2.9244	247.4556	132.3670	38.4260	50.3677	-0.0070
20/11/2017	95.4774	0.0000	0.0000	0.0000	2.9228	246.7611	125.8630	38.4271	50.3705	-0.0070
21/11/2017	95.4757	0.0000	0.0000	0.0000	2.9190	247.3167	144.2760	38.4290	50.3741	-0.0112
22/11/2017	95.4919	0.0000	0.0000	0.0000	2.9158	247.0389	116.8265	38.4312	50.3784	-0.0154
23/11/2017	95.5035	0.0000	0.0000	0.0000	2.9118	247.0389	110.9140	38.4334	50.3832	-0.0098
24/11/2017	95.5191	0.0000	0.0000	0.0000	2.9076	247.0389	116.6570	38.4357	50.3875	-0.0042
25/11/2017	95.5367	0.0000	0.0000	0.0000	2.9016	246.9000	117.9240	38.4390	50.3932	-0.0182
26/11/2017	95.5417	0.0000	0.0000	0.0000	2.8939	247.1778	124.0050	38.4420	50.3983	-0.0112
27/11/2017	95.5561	0.0000	0.0000	0.0000	2.8852	247.0389	120.9645	38.4442	50.4035	-0.0168
28/11/2017	95.5688	0.0000	0.0000	0.0000	2.8721	247.0389	119.2755	38.4461	50.4084	-3.8674
29/11/2017	95.5822	0.0000	0.0000	0.0000	2.8576	245.9278	119.0220	38.4450	50.4120	-3.8632
30/11/2017	95.6142	0.0000	0.0000	0.0000	2.8336	245.5111	105.7620	38.4398	50.4144	-1.7333
01/12/2017										
<b>Mínimo</b>	95.1346	0.0000	0.0000	0.0000	2.8336	245.5111	105.7620	38.3582	49.9914	-3.8674

**Observaciones:**

Los valores no son representativos o reales debido a que no hubo flujo en esta posición.

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

(Valores promedio diarios)



<b>PERMISIONARIO:</b>	<b>GASODUCTO DE MORELOS S.A.P.I DE C.V</b>
<b>PUNTO DE MEDICIÓN:</b>	<b>Yecapixtla/ Morelos</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 Sulfhídrico (mg/m <sup>3</sup> )	Azufre total* (mg/m <sup>3</sup> )	Oxígeno* (% vol)
01/11/2017	95.6726	0.0000	0.0000	0.0000	2.9491	242.7044	121.3047	38.5289	50.5105	10.1522	0.0000	0.0000
02/11/2017	95.6737	0.0000	0.0000	0.0000	2.9484	242.7565	118.4149	38.5287	50.5104	10.1650		
03/11/2017	95.6725	0.0000	0.0000	0.0000	2.9493	242.8375	119.3641	38.5290	50.5105	7.8448		
04/11/2017	95.6757	0.0000	0.0000	0.0000	2.9471	242.7623	118.8332	38.5282	50.5103	10.9427		
05/11/2017	95.6747	0.0000	0.0000	0.0000	2.9478	242.7333	115.2017	38.5285	50.5105	1.6882		
06/11/2017	95.6747	0.0000	0.0000	0.0000	2.9479	242.7912	115.0576	38.5287	50.5106	2.4224		
07/11/2017	95.6760	0.0000	0.0000	0.0000	2.9470	242.7738	113.8834	38.5283	50.5105	2.4105		
08/11/2017	95.6753	0.0000	0.0000	0.0000	2.9475	242.8086	114.3404	38.5287	50.5106	2.4148		
09/11/2017	95.6753	0.0000	0.0000	0.0000	2.9475	242.7970	115.8203	38.5287	50.5107	3.9683		
10/11/2017	95.6757	0.0000	0.0000	0.0000	2.9473	242.8838	121.7054	38.5287	50.5107	16.2924		
11/11/2017	95.6768	0.0000	0.0000	0.0000	2.9468	242.7275	115.0576	38.5284	50.5109	15.5044		
12/11/2017	95.6769	0.0000	0.0000	0.0000	2.9467	242.7507	115.3880	38.5283	50.5108	13.1821		
13/11/2017	95.6755	0.0000	0.0000	0.0000	2.9473	242.7623	115.4513	38.5287	50.5108	15.3943		
14/11/2017	95.6737	0.0000	0.0000	0.0000	2.9486	242.7507	113.0572	38.5290	50.5107	14.7105		
15/11/2017	95.6742	0.0000	0.0000	0.0000	2.9482	242.7796	116.1508	38.5289	50.5107	13.1768		
16/11/2017	95.6760	0.0000	0.0000	0.0000	2.9471	242.6812	110.7546	38.5284	50.5107	15.4785		
17/11/2017	95.6760	0.0000	0.0000	0.0000	2.9472	242.7102	110.5507	38.5285	50.5108	12.3886		
18/11/2017	95.6738	0.0000	0.0000	0.0000	2.9484	242.8896	117.1808	38.5291	50.5108	13.1717		
19/11/2017	95.6768	0.0000	0.0000	0.0000	2.9466	242.7854	116.8927	38.5286	50.5110	12.3988		
20/11/2017	95.6790	0.0000	0.0000	0.0000	2.9454	242.6755	108.1460	38.5279	50.5109	16.2441		
21/11/2017	95.6815	0.0000	0.0000	0.0000	2.9437	242.7970	111.6018	38.5275	50.5110	16.2570		
22/11/2017	95.6797	0.0000	0.0000	0.0000	2.9449	244.0643	107.4384	38.5250	48.4061	13.9313		
23/11/2017	95.6803	0.0000	0.0000	0.0000	2.9447	242.6581	106.6062	38.5279	50.5110	16.2418		
24/11/2017	95.6804	0.0000	0.0000	0.0000	2.9446	242.6813	103.9942	38.5279	50.5110	14.5118		
25/11/2017	95.6917	0.0000	0.0000	0.0000	2.9207	243.4162	112.3400	38.5204	50.5002	14.5304		
26/11/2017	95.6908	0.0000	0.0000	0.0000	2.9200	243.6303	116.2458	38.5206	50.4997	17.8052		
27/11/2017	95.6880	0.0000	0.0000	0.0000	2.9221	243.3410	107.2636	38.5211	50.4998	3.4313		
28/11/2017	95.6899	0.0000	0.0000	0.0000	2.9210	243.3873	106.7714	38.5208	50.4998	0.1029		
29/11/2017	95.6903	0.0000	0.0000	0.0000	2.9203	243.4683	110.7194	38.5203	50.4984	0.0127		
30/11/2017	95.6943	0.0003	0.0001	0.0004	2.9189	243.2137	102.3735	38.5205	50.5006	-0.4857		
01/12/2017												

\*/ 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>	95.6725	0.0000	0.0000	0.0000	2.9189	242.6581	102.3735	38.5203	48.4061	-0.4857		
<b>Promedio</b>	95.6791	0.0000	0.0000	0.0000	2.9417	242.9339	113.2637	38.5268	50.4384	10.2097		
<b>Máximo</b>	95.6943	0.0003	0.0001	0.0004	2.9189	243.2137	102.3735	38.5205	50.5006	-0.4857		
<b>Desv. Est.</b>	0.00586223	0	0	0	0.010173665	0.349595794	4.598995128	0.003064045	0.390467013	5.800359948		

Observaciones: Los valores no son representativos o reales debido a que no hubo flujo en esta posición.

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



**(Registros máximos diarios)**

**PERMISIONARIO:** GASODUCTO DE MORELOS S.A.P.I DE C.V

**PUNTO DE MEDICIÓN:** Yecapixtla/ Morelos

**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> )
01/11/2017	95.6783	0.0000	0.0000	0.0000	2.9526	243.4278	162.5245	38.5310	50.5113	18.7289
02/11/2017	95.6783	0.0000	0.0000	0.0000	2.9518	243.5667	154.5935	38.5307	50.5111	18.7835
03/11/2017	95.6805	0.0000	0.0000	0.0000	2.9529	243.5667	155.2685	38.5303	50.5119	18.7527
04/11/2017	95.6805	0.0000	0.0000	0.0000	2.9522	243.4278	153.5810	38.5307	50.5112	18.7135
05/11/2017	95.6805	0.0000	0.0000	0.0000	2.9510	243.5667	153.4125	38.5303	50.5116	18.7429
06/11/2017	95.6818	0.0000	0.0000	0.0000	2.9500	243.5667	155.4370	38.5303	50.5115	18.6813
07/11/2017	95.6814	0.0000	0.0000	0.0000	2.9510	243.5667	152.4840	38.5295	50.5117	18.6715
08/11/2017	95.6819	0.0000	0.0000	0.0000	2.9503	243.5667	151.9775	38.5303	50.5119	18.6253
09/11/2017	95.6821	0.0000	0.0000	0.0000	2.9506	243.5667	150.4590	38.5299	50.5117	18.6841
10/11/2017	95.6803	0.0000	0.0000	0.0000	2.9518	243.5667	149.8685	38.5303	50.5116	18.6785
11/11/2017	95.6838	0.0000	0.0000	0.0000	2.9512	243.4278	147.4215	38.5299	50.5119	18.7023
12/11/2017	95.6809	0.0000	0.0000	0.0000	2.9509	243.5667	148.0120	38.5303	50.5118	18.6687
13/11/2017	95.6807	0.0000	0.0000	0.0000	2.9511	243.5667	150.0375	38.5299	50.5117	18.6491
14/11/2017	95.6798	0.0000	0.0000	0.0000	2.9517	243.2889	141.4315	38.5307	50.5117	18.6225
15/11/2017	95.6782	0.0000	0.0000	0.0000	2.9503	243.4278	144.1310	38.5303	50.5118	18.6547
16/11/2017	95.6834	0.0000	0.0000	0.0000	2.9515	243.2889	143.8780	38.5299	50.5114	18.6141
17/11/2017	95.6824	0.0000	0.0000	0.0000	2.9503	243.5667	144.1310	38.5299	50.5119	18.6631
18/11/2017	95.6785	0.0000	0.0000	0.0000	2.9517	243.5667	148.4340	38.5303	50.5117	18.6351
19/11/2017	95.6820	0.0000	0.0000	0.0000	2.9502	243.5667	202.8545	38.5303	50.5117	18.6463
20/11/2017	95.6839	0.0000	0.0000	0.0000	2.9499	243.4278	141.4315	38.5303	50.5119	18.6239
21/11/2017	95.6848	0.0000	0.0000	0.0000	2.9493	243.5667	145.5655	38.5295	50.5118	18.6309
22/11/2017	95.6842	0.0000	0.0000	0.0000	2.9485	273.1500	140.0810	38.5295	50.5119	18.6197
23/11/2017	95.6845	0.0000	0.0000	0.0000	2.9488	243.2889	138.1405	38.5288	50.5122	18.6029
24/11/2017	95.6855	0.0000	0.0000	0.0000	2.9489	243.5667	137.5500	38.5299	50.5120	18.6281
25/11/2017	95.6957	0.0000	0.0000	0.0000	2.9406	244.2611	144.8060	38.5262	50.5112	18.6393
26/11/2017	95.6946	0.0000	0.0000	0.0000	2.9232	244.4000	149.8685	38.5221	50.5009	18.6589
27/11/2017	95.6944	0.0000	0.0000	0.0000	2.9250	244.1222	164.8025	38.5232	50.5009	16.6798
28/11/2017	95.6953	0.0000	0.0000	0.0000	2.9267	244.2611	138.4780	38.5228	50.5006	0.2547
29/11/2017	95.6958	0.0000	0.0000	0.0000	2.9243	244.4000	143.8780	38.5225	50.5006	14.1884
30/11/2017	95.7000	0.0069	0.0034	0.0103	2.9242	243.8445	133.7535	38.5221	50.5014	0.9462
01/12/2017										
<b>Máximo</b>	95.7000	0.0069	0.0034	0.0103	2.9529	273.1500	202.8545	38.5310	50.5122	18.7835

**Observaciones:**

Los valores no son representativos o reales debido a que no hubo flujo en esta posición.



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



(Registros mínimos diarios)

**PERMISIONARIO:** GASODUCTO DE MORELOS S.A.P.I DE C.V

**PUNTO DE MEDICIÓN:** Yecapixtla/ Morelos

**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	95.6666	0.0000	0.0000	0.0000	2.9457	242.3167	101.1850	38.5277	50.5094	0.0574
02/11/2017	95.6687	0.0000	0.0000	0.0000	2.9454	242.1778	91.9886	38.5273	50.5099	0.0210
03/11/2017	95.6680	0.0000	0.0000	0.0000	2.9440	242.3167	94.3510	38.5273	50.5095	-0.0098
04/11/2017	95.6681	0.0000	0.0000	0.0000	2.9435	242.4556	98.6541	38.5269	50.5099	0.0448
05/11/2017	95.6703	0.0000	0.0000	0.0000	2.9439	242.1778	90.3011	38.5269	50.5097	-0.0196
06/11/2017	95.6710	0.0000	0.0000	0.0000	2.9432	242.1778	90.8074	38.5266	50.5098	-0.0154
07/11/2017	95.6704	0.0000	0.0000	0.0000	2.9433	242.1778	90.8074	38.5269	50.5095	-0.0112
08/11/2017	95.6708	0.0000	0.0000	0.0000	2.9431	242.1778	92.0730	38.5266	50.5095	-0.0154
09/11/2017	95.6705	0.0000	0.0000	0.0000	2.9431	242.3167	93.0011	38.5266	50.5099	0.0042
10/11/2017	95.6690	0.0000	0.0000	0.0000	2.9438	242.3167	98.3167	38.5273	50.5100	0.0882
11/11/2017	95.6704	0.0000	0.0000	0.0000	2.9424	242.3167	97.3042	38.5266	50.5102	0.0182
12/11/2017	95.6709	0.0000	0.0000	0.0000	2.9439	242.3167	93.0854	38.5273	50.5097	-0.0028
13/11/2017	95.6701	0.0000	0.0000	0.0000	2.9440	242.3167	97.8948	38.5277	50.5099	-0.0070
14/11/2017	95.6687	0.0000	0.0000	0.0000	2.9445	242.4556	95.1104	38.5273	50.5102	0.0028
15/11/2017	95.6704	0.0000	0.0000	0.0000	2.9454	242.3167	101.4384	38.5277	50.5100	0.0252
16/11/2017	95.6690	0.0000	0.0000	0.0000	2.9424	242.1778	86.2512	38.5262	50.5099	-0.0084
17/11/2017	95.6712	0.0000	0.0000	0.0000	2.9431	242.1778	89.0355	38.5266	50.5100	-0.0238
18/11/2017	95.6694	0.0000	0.0000	0.0000	2.9457	242.4556	101.8603	38.5280	50.5097	0.0210
19/11/2017	95.6714	0.0000	0.0000	0.0000	2.9436	242.3167	74.3546	38.5269	50.5104	-0.0182
20/11/2017	95.6727	0.0000	0.0000	0.0000	2.9421	242.3167	89.8793	38.5266	50.5101	-0.0182
21/11/2017	95.6734	0.0000	0.0000	0.0000	2.9416	242.3167	90.6386	38.5262	50.5103	0.0126
22/11/2017	95.6745	0.0000	0.0000	0.0000	2.9417	242.1778	0.0000	38.4636	0.0000	-0.0028
23/11/2017	95.6741	0.0000	0.0000	0.0000	2.9419	242.1778	88.4449	38.5266	50.5105	-0.0322
24/11/2017	95.6740	0.0000	0.0000	0.0000	2.9415	242.1778	83.1294	38.5262	50.5104	-0.0238
25/11/2017	95.6876	0.0000	0.0000	0.0000	2.9175	242.3167	94.0135	38.5184	50.4978	0.0210
26/11/2017	95.6860	0.0000	0.0000	0.0000	2.9177	243.0111	92.4104	38.5195	50.4983	0.0028
27/11/2017	95.6835	0.0000	0.0000	0.0000	2.9176	242.7333	84.3950	38.5195	50.4990	-3.7553
28/11/2017	95.6811	0.0000	0.0000	0.0000	2.9175	242.8722	89.1199	38.5187	50.4991	0.0126
29/11/2017	95.6812	0.0000	0.0000	0.0000	2.9171	243.0111	90.1324	38.5180	50.4835	-4.2928
30/11/2017	95.6862	0.0000	0.0000	0.0000	2.9158	242.7333	79.9232	38.5187	50.4998	-6.2481
01/12/2017										
<b>Mínimo</b>	95.6666	0.0000	0.0000	0.0000	2.9158	242.1778	0.0000	38.4636	0.0000	-6.2481

**Observaciones:**

Los valores no son representativos o reales debido a que no hubo flujo en esta posición.