

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Valores promedio diarios)

PERMISIONARIO:	Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997
PUNTO DE MEDICIÓN:	Cruce Internacional I - Estacion Importacion Rio Bravo
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/m³)	Poder Calorífico (MJ/m³)	Índice Wobbe (MJ/m³)	Acido Sulfhídrico (mg/m³)
01/05/15	89.0843	0.3453	0.1412	0.4865	7.1475	285.3257	320.3691	42.0761	53.1906	11.9463
02/05/15	88.2567	0.4280	0.1646	0.5925	7.3439	281.3570	307.2339	42.4636	53.3350	6.4326
03/05/15	88.7841	0.3995	0.1480	0.5475	7.2114	276.3940	277.7600	42.1556	53.1945	5.0542
04/05/15	87.8583	0.3892	0.1281	0.5173	7.7892	277.6980	297.9432	42.6076	53.4561	4.5947
05/05/15	88.9792	0.4070	0.1800	0.5870	7.2957	278.7410	293.1377	41.9409	53.0586	7.3516
06/05/15	87.9715	0.4737	0.1101	0.5839	7.6124	282.8210	300.0256	42.5402	53.3703	9.8786
07/05/15	87.9841	0.3750	0.1187	0.4936	7.6918	273.3690	289.6136	42.6488	53.4914	14.4734
08/05/15	87.6969	0.3767	0.1110	0.4878	7.7577	280.4570	293.1377	42.8301	53.5914	8.7300
09/05/15	87.9972	0.3861	0.1138	0.5000	7.6179	276.8420	302.2682	42.6503	53.4867	9.6489
10/05/15	88.2058	0.3567	0.1178	0.4744	7.5213	282.6740	293.2979	42.5704	53.4614	9.1894
11/05/15	87.3726	0.3613	0.1157	0.4770	7.7971	286.4560	320.3691	43.0471	53.7167	4.3650
12/05/15	87.8755	0.3374	0.1115	0.4489	8.1719	279.8470	320.3691	42.5312	53.4577	13.0950
13/05/15	87.8807	0.3507	0.1068	0.4575	8.1681	276.8390	317.0052	42.5038	53.4362	3.4460
14/05/15	88.2685	0.4138	0.0961	0.5099	7.4784	274.6980	320.3691	42.4959	53.3923	6.4326
15/05/15	87.8949	0.3993	0.1131	0.5124	7.8231	282.3910	304.6710	42.6080	53.4558	7.3516
16/05/15	88.2469	0.4046	0.1072	0.5118	7.4759	276.2580	311.5589	42.5156	53.4041	15.6220
17/05/15	88.1826	0.3805	0.1091	0.4896	7.4641	277.1470	301.9478	42.5965	53.4632	7.8110
18/05/15	87.3583	0.3823	0.0995	0.4818	8.0528	279.8520	314.2821	42.9301	53.6475	3.6758
19/05/15	87.9611	0.3806	0.1123	0.4929	7.6707	280.8000	313.1608	42.6572	53.4950	1.3784
20/05/15	88.0295	0.3742	0.1041	0.4783	7.6187	271.8980	314.6024	42.6458	53.4966	7.3516
21/05/15	88.2993	0.3444	0.1065	0.4509	7.4993	275.9840	320.3691	42.5451	53.4610	9.1894
22/05/15	88.7046	0.4221	0.1022	0.5243	7.2823	274.1250	312.5200	42.2404	53.2453	4.1352
23/05/15	88.2894	0.3805	0.1710	0.5515	7.4308	282.2580	320.3691	42.4743	53.3697	4.5947
24/05/15	89.1001	0.3418	0.1227	0.4644	7.0598	283.8610	308.9960	42.1384	53.2347	11.0273
25/05/15	87.6856	0.3708	0.2006	0.5714	7.6873	279.3330	254.8856	42.7718	53.5244	13.0950
26/05/15	87.9505	0.3093	0.1056	0.4149	7.7297	277.8420	305.7923	42.7072	53.5731	6.8921
27/05/15	88.5227	0.3252	0.1057	0.4308	7.3911	271.5630	310.4376	42.4348	53.4146	4.5947
28/05/15	88.3105	0.3545	0.1102	0.4647	7.4276	273.7350	320.3691	42.5765	53.4692	6.6623
29/05/15	88.2988	0.3253	0.1163	0.4416	7.4918	274.7580	312.6802	42.5782	53.4871	8.0408
30/05/15	88.0232	0.7376	0.1077	0.8453	7.4893	274.6960	320.3691	42.3428	53.0873	2.2974
31/05/15	88.7770	0.8031	0.1054	0.9084	7.1355	277.3280	320.3691	41.8678	52.7842	10.5679

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

Mínimo	87.3583	0.3093	0.0961	0.4149	7.0598	271.5630	254.8856	41.8678	52.7842	1.3784
Promedio	88.1887	0.4012	0.1214	0.5225	7.5592	278.3015	307.1058	42.5062	53.3952	7.7073
Máximo	89.1001	0.8031	0.2006	0.9084	8.1719	286.4560	320.3691	43.0471	53.7167	15.6220
Desv. Est.	0.444450062	0.104649613	0.025461857	0.105210054	0.277166973	3.885140566	14.8180188	0.264170856	0.187009881	3.590962407

Azufre total* (mg/m³)	Oxígeno* (% vol)
2.6930	0.0000

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

PERMISIONARIO:	Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997
PUNTO DE MEDICIÓN:	Cruce Internacional II - Estacion Importacion Rio Bravo
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)
01/05/15	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
02/05/15										
03/05/15										
04/05/15										
05/05/15										
06/05/15										
07/05/15										
08/05/15										
09/05/15										
10/05/15										
11/05/15										
12/05/15										
13/05/15										
14/05/15										
15/05/15										
16/05/15										
17/05/15										
18/05/15										
19/05/15										
20/05/15										
21/05/15										
22/05/15										
23/05/15										
24/05/15										
25/05/15										
26/05/15										
27/05/15										
28/05/15										
29/05/15										
30/05/15										
31/05/15										

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

Azufre total* (mg/m ³)	Oxígeno* (% vol)
2.6930	0.0000

Mínimo	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
Promedio	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
Máximo	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
Desv. Est.	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997
 PUNTO DE MEDICIÓN: Cruce Internacional I - Estacion Importacion Rio Bravo
 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)
01/05/15	89.3301	0.3517	0.1528	0.4974	7.3764	285.3257	320.3691	42.3008	53.3097	11.9463
02/05/15	88.4532	0.4354	0.1665	0.5973	7.4135	281.3570	307.2339	42.5131	53.3619	6.4326
03/05/15	88.9114	0.4151	0.1518	0.5626	7.2744	276.3940	277.7600	42.1979	53.2213	5.0542
04/05/15	87.9343	0.3940	0.1289	0.5223	7.8244	277.6980	297.9432	42.6674	53.4865	4.5947
05/05/15	89.0372	0.4414	0.2132	0.6264	7.3417	278.7410	293.1377	42.0044	53.1300	7.3516
06/05/15	88.5468	0.4844	0.1115	0.5959	7.8679	282.8210	300.0256	42.7857	53.4960	9.8786
07/05/15	88.2299	0.3986	0.1235	0.5160	7.7857	273.3690	289.6136	42.7574	53.5545	14.4734
08/05/15	88.1176	0.3841	0.1209	0.4888	7.8881	280.4570	293.1377	42.9969	53.6795	8.7300
09/05/15	88.3262	0.3946	0.1161	0.5082	7.7443	276.8420	302.2682	42.7613	53.5419	9.6489
10/05/15	88.5038	0.3577	0.1203	0.4779	7.6867	282.6740	293.2979	42.7456	53.5589	9.1894
11/05/15	87.5336	0.3723	0.1186	0.4874	7.9048	286.4560	320.3691	43.2215	53.8154	4.3650
12/05/15	88.0456	0.3402	0.1150	0.4499	8.2307	279.8470	320.3691	42.6775	53.5358	13.0950
13/05/15	88.0467	0.3738	0.1134	0.4778	8.2286	276.8390	317.0052	42.6811	53.5175	3.4460
14/05/15	88.4092	0.4378	0.1052	0.5229	7.6639	274.6980	320.3691	42.5904	53.4460	6.4326
15/05/15	89.0972	0.4400	0.1243	0.5530	8.3750	282.3910	304.6710	43.0403	53.6675	7.3516
16/05/15	88.6719	0.4183	0.1086	0.5269	7.6426	276.2580	311.5589	42.8146	53.5561	15.6220
17/05/15	88.2488	0.3936	0.1103	0.5012	7.5570	277.1470	301.9478	42.6304	53.4776	7.8110
18/05/15	87.5380	0.3832	0.1037	0.4863	8.1304	279.8520	314.2821	43.0194	53.6984	3.6758
19/05/15	88.3834	0.4039	0.1156	0.5135	7.7841	280.8000	313.1608	42.7430	53.5299	1.3784
20/05/15	88.1699	0.3813	0.1055	0.4844	7.7835	271.8980	314.6024	42.7461	53.5532	7.3516
21/05/15	88.4446	0.3540	0.1105	0.4578	7.5581	275.9840	320.3691	42.6397	53.5183	9.1894
22/05/15	88.8563	0.4887	0.1051	0.5888	7.4077	274.1250	312.5200	42.3744	53.3657	4.1352
23/05/15	88.5398	0.4358	0.2706	0.6152	7.6216	282.2580	320.3691	42.6050	53.4208	4.5947
24/05/15	89.4075	0.3612	0.1277	0.4788	7.3575	283.8610	308.9960	42.4032	53.3677	11.0273
25/05/15	87.7734	0.3733	0.2068	0.5773	7.7180	279.3330	254.8856	42.8115	53.5434	13.0950
26/05/15	88.2800	0.3136	0.1090	0.4226	7.7669	277.8420	305.7923	42.8467	53.6438	6.8921
27/05/15	88.7688	0.3635	0.1072	0.4679	7.5402	271.5630	310.4376	42.6553	53.5469	4.5947
28/05/15	88.4526	0.3740	0.1179	0.4919	7.5175	273.7350	320.3691	42.7042	53.5217	6.6623
29/05/15	88.6910	0.3352	0.1199	0.4513	7.6158	274.7580	312.6802	42.7165	53.5554	8.0408
30/05/15	88.1609	0.7919	0.1111	0.8937	7.5714	274.6960	320.3691	42.4049	53.1423	2.2974
31/05/15	89.0369	0.8228	0.1069	0.9297	7.3623	277.3280	320.3691	42.0923	52.9287	10.5679
Máximo	89.4075	0.8228	0.2706	0.9297	8.3750	286.4560	320.3691	43.2215	53.8154	15.6220

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)

PERMISIONARIO: Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997
 PUNTO DE MEDICIÓN: Cruce Internacional II - Estacion Importacion Rio Bravo
 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)
01/05/15	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
02/05/15										
03/05/15										
04/05/15										
05/05/15										
06/05/15										
07/05/15										
08/05/15										
09/05/15										
10/05/15										
11/05/15										
12/05/15										
13/05/15										
14/05/15										
15/05/15										
16/05/15										
17/05/15										
18/05/15										
19/05/15										
20/05/15										
21/05/15										
22/05/15										
23/05/15										
24/05/15										
25/05/15										
26/05/15										
27/05/15										
28/05/15										
29/05/15										
30/05/15										
31/05/15										
Máximo	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000

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

PERMISIONARIO: Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997
PUNTO DE MEDICIÓN: Cruce Internacional I - Estacion Importacion Rio Bravo
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 Sulfhídrico (mg/m ³)
01/05/15	88.6413	0.3383	0.1320	0.4703	7.0234	285.3257	320.3691	41.9458	53.1185	11.9463
02/05/15	88.1439	0.4229	0.1619	0.5870	7.2161	281.3570	307.2339	42.3744	53.2825	6.4326
03/05/15	88.7085	0.3924	0.1446	0.5408	7.1032	276.3940	277.7600	42.1040	53.1558	5.0542
04/05/15	87.7655	0.3799	0.1275	0.5076	7.7565	277.6980	297.9432	42.5828	53.4432	4.5947
05/05/15	88.9290	0.3535	0.1432	0.5322	7.2006	278.7410	293.1377	41.9035	53.0262	7.3516
06/05/15	87.4578	0.4569	0.1077	0.5676	7.3848	282.8210	300.0256	42.2328	53.2144	9.8786
07/05/15	87.7543	0.3450	0.1154	0.4684	7.5861	273.3690	289.6136	42.5320	53.4356	14.4734
08/05/15	87.3935	0.3652	0.1044	0.4861	7.5137	280.4570	293.1377	42.6302	53.4865	8.7300
09/05/15	87.7606	0.3700	0.1124	0.4861	7.4644	276.8420	302.2682	42.4896	53.4095	9.6489
10/05/15	87.8835	0.3547	0.1147	0.4694	7.3775	282.6740	293.2979	42.4053	53.3702	9.1894
11/05/15	87.0900	0.3550	0.1144	0.4694	7.7209	286.4560	320.3691	42.9616	53.6635	4.3650
12/05/15	87.6480	0.3322	0.1092	0.4472	8.1270	279.8470	320.3691	42.3900	53.3836	13.0950
13/05/15	87.6195	0.3315	0.1028	0.4444	8.1261	276.8390	317.0052	42.3924	53.3849	3.4460
14/05/15	88.0325	0.3857	0.0851	0.4909	7.3678	274.6980	320.3691	42.4299	53.3505	6.4326
15/05/15	86.9271	0.3387	0.1030	0.4629	7.2040	282.3910	304.6710	42.0454	53.1862	7.3516
16/05/15	87.7316	0.3953	0.1057	0.5020	7.3224	276.2580	311.5589	42.2697	53.2774	15.6220
17/05/15	88.0683	0.3685	0.1076	0.4781	7.4231	277.1470	301.9478	42.5588	53.4423	7.8110
18/05/15	87.1917	0.3807	0.0922	0.4754	7.9991	279.8520	314.2821	42.8200	53.5860	3.6758
19/05/15	87.7525	0.3422	0.1096	0.4578	7.4583	280.8000	313.1608	42.4768	53.4215	1.3784
20/05/15	87.8095	0.3715	0.1028	0.4746	7.5121	271.8980	314.6024	42.5919	53.4687	7.3516
21/05/15	88.1607	0.3347	0.1038	0.4420	7.4210	275.9840	320.3691	42.4715	53.4210	9.1894
22/05/15	88.5642	0.3496	0.0997	0.4547	7.2066	274.1250	312.5200	42.1659	53.1860	4.1352
23/05/15	87.9258	0.3446	0.1148	0.4953	7.3001	282.2580	320.3691	42.4033	53.3453	4.5947
24/05/15	88.5469	0.3309	0.1176	0.4554	6.9034	283.8610	308.9960	41.9775	53.1523	11.0273
25/05/15	87.6071	0.3695	0.1890	0.5623	7.6319	279.3330	254.8856	42.7460	53.5137	13.0950
26/05/15	87.7361	0.3009	0.1026	0.4035	7.6429	277.8420	305.7923	42.5195	53.4787	6.8921
27/05/15	88.1727	0.3063	0.1045	0.4112	7.2748	271.5630	310.4376	42.3021	53.3447	4.5947
28/05/15	88.0585	0.3423	0.1060	0.4483	7.3491	273.7350	320.3691	42.5035	53.4374	6.6623
29/05/15	88.0266	0.3169	0.1138	0.4367	7.2911	274.7580	312.6802	42.3829	53.3854	8.0408
30/05/15	87.8665	0.7039	0.1018	0.8143	7.4275	274.6960	320.3691	42.3028	53.0573	2.2974
31/05/15	88.3757	0.7715	0.1038	0.8771	6.9719	277.3280	320.3691	41.7244	52.6914	10.5679
Mínimo	86.9271	0.3009	0.0851	0.4035	6.9034	271.5630	254.8856	41.7244	52.6914	1.3784

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

PERMISIONARIO:	Compañía Nacional de Gas SA de CV - Permiso G/11/DIS/1997
PUNTO DE MEDICIÓN:	Cruce Internacional II - Estacion Importacion Rio Bravo
ZONA DE MEDICIÓN:	<u>RESTO DEL PAÍS</u>

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)
01/05/15	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
02/05/15										
03/05/15										
04/05/15										
05/05/15										
06/05/15										
07/05/15										
08/05/15										
09/05/15										
10/05/15										
11/05/15										
12/05/15										
13/05/15										
14/05/15										
15/05/15										
16/05/15										
17/05/15										
18/05/15										
19/05/15										
20/05/15										
21/05/15										
22/05/15										
23/05/15										
24/05/15										
25/05/15										
26/05/15										
27/05/15										
28/05/15										
29/05/15										
30/05/15										
31/05/15										

Mínimo	89.8710	0.4760	0.2060	0.6820	6.7880	0.0000	0.0000	41.1034	0.0000	0.0000
---------------	---------	--------	--------	--------	--------	--------	--------	---------	--------	--------

Laboratorio contratado por West Texas Gas Inc. Cruce Internacional I

GAS TESTING AND MEASUREMENT
PETROLEUM LABORATORY
PHYSICAL TEST
GAS SURVEYS

GAS PRODUCTION SURVEYS
BACK PRESSURE TESTS
ELECTRONIC VOLUMES
CHART INTEGRATION

THURMOND-McGLOTHLIN, INC.

NATURAL GAS MEASUREMENT

2688 Business I-35 East
Pearsall, Texas 78061
830-334-8900

COMPONENTS	MOL %	GPM	DATE RUN:	April 21, 2015
Carbon Dioxide	0.601		PLANT:	
Nitrogen	0.162		COMPANY:	WTG
Methane	88.091	14.849	PURCHASER:	
Ethane	7.646	2.032	LEASE:	MEXICO STATION
Propane	2.063	0.565	STATION:	781-006
iso-Butane	0.447	0.145	PRESSURE:	180 #
n-Butane	0.559	0.175	TEMPERATURE:	71 F
iso-Pentane	0.186	0.068	CYLINDER:	TM 11231
n-Pentane	0.122	0.044	ANALYSIS BY:	TM11 IM
Hexane +	0.123	0.054	SECURED BY:	A.RAMIREZ
			DATE SAMPLED:	04/08/15

100.000

GASOLINE CONTENT @ 14.65 PSIA & 60 F

REMARKS: COMPOSITE

	GPM
PROPANE & HEAVIER	1.051
BUTANE & HEAVIER	0.486
PENTANE & HEAVIER	0.166

Gross Heating Value
BTU @ 14.65 PSIA & 60 F
Dry 1124.9
Wet 1105.2

RESULTS TO:
West Texas Gas

SPECIFIC GRAVITY
0.6413

*Based on GPA 2145 & 2172

*Natural gas is one of our Most Valuable and Profitable Properties. Careful
Conservation and Expert Handling will pay Abundant Dividends.*

Laboratorio contratado por West Texas Gas Inc. Cruce Internacional II

GAS TESTING AND MEASUREMENT
PETROLEUM LABORATORY
PHYSICAL TEST
GAS SURVEYS

GAS PRODUCTION SURVEYS
BACK PRESSURE TESTS
ELECTRONIC VOLUMES
CHART INTEGRATION

THURMOND-McGLOTHLIN, INC.

NATURAL GAS MEASUREMENT

2688 Business I-35 East
Pearsall, Texas 78061
830-334-8900

COMPONENTS	MOL %	GPM
Carbon Dioxide	0.476	
Nitrogen	0.206	
Methane	89.871	15.150
Ethane	6.788	1.804
Propane	1.581	0.433
iso-Butane	0.302	0.098
n-Butane	0.426	0.134
iso-Pentane	0.135	0.049
n-Pentane	0.097	0.035
Hexane +	0.118	0.051

100.000

DATE RUN: April 21, 2015
PLANT:
COMPANY: WTG
PURCHASER:
LEASE: CUSTOM STATION
STATION: 781-009
PRESSURE: 400 #
TEMPERATURE: 68 F
CYLINDER: TM 11025
ANALYSIS BY: TM11 IM
SECURED BY: A.RAMIREZ
DATE SAMPLED: 04/08/15

GASOLINE CONTENT @ 14.65 PSIA & 60 F

REMARKS: COMPOSITE

	GPM
PROPANE & HEAVIER	0.800
BUTANE & HEAVIER	0.367
PENTANE & HEAVIER	0.135

Gross Heating Value
BTU @ 14.65 PSIA & 60 F
Dry 1103.2
Wet 1083.9

RESULTS TO:
West Texas Gas

SPECIFIC GRAVITY
0.6257

*Based on GPA 2145 & 2172

*Natural gas is one of our Most Valuable and Profitable Properties. Careful
Conservation and Expert Handling will pay Abundant Dividends.*

Laboratorio Contratado por Compañía Nacioanl de Gas SA de CV Cruce Internacional II

May 7, 2015

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

For: Compania Nacional de Gas S.A. de C.V.
P.O. Box 690
Eagle Pass, Texas 78853

Sample: West Texas Gas - Customs Sales
Station No. 781-009
Composite Gas Sample @ 400 psig & 68°F

Date Sampled: 04/08/2015

Job Number: 52540.001

CHROMATOGRAPH EXTENDED ANALYSIS - SUMMATION REPORT

COMPONENT	VOL %	L/M ³
Oxygen	0.000	
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.189	
Carbon Dioxide	0.382	
Methane	89.966	
Ethane	6.672	
Propane	1.495	0.05474
Isobutane	0.298	0.01296
n-Butane	0.421	0.01764
2-2 Dimethylpropane	0.005	0.00025
Isopentane	0.153	0.00744
n-Pentane	0.111	0.00535
Hexanes	0.180	0.00986
Heptanes Plus	<u>0.128</u>	<u>0.00678</u>
Totals	100.000	0.11502

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.275 (Air=1)
Molecular Weight ----- 94.62
Gross Heating Value ----- 4904 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.630 (Air=1)
Compressibility (Z) ----- 0.9974
Molecular Weight ----- 18.21
Gross Heating Value -----
Dry Basis ----- 1113 BTU/CF 41.46 MJ/M³
Saturated Basis ----- 1094 BTU/CF 40.77 MJ/M³
Wobbe Index ----- 1402 BTU/CF 52.23 MJ/M³

Water Content Provided By: Compania Nacional de Gas S.A. de C.V.
12.0 Lbs/MMCF 192.22 mg/M³

*Hydrogen Sulfide tested on location by Compania Nacional de Gas S.A. de C.V.

Results: 0.126 Gr/100 CF, 2.0 PPMV, 0.000 Mol % or 2.88 mg/M³
H2S As Total Sulfur: 0.118 Gr/100 CF or 2.693 mg/M³

Base Conditions: 14.650 PSI & 60 Deg F

Certified: FESCO, Ltd. - Alice, Texas

Analyst: IM
Processor: dm
Cylinder ID: T-3059

David Dannhaus 361-661-7015

Laboratorio Contratado por Compañía NacionaI de Gas SA de CV Cruce Internacional II

FESCO, Ltd.

Job Number: 52540.001

**CHROMATOGRAPH EXTENDED ANALYSIS
TOTAL REPORT**

COMPONENT	VOL %	L/M ³	WT %
Oxygen	0.000		0.000
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.189		0.291
Carbon Dioxide	0.382		0.923
Methane	89.966		79.265
Ethane	6.672		11.019
Propane	1.495	0.05474	3.621
Isobutane	0.298	0.01296	0.951
n-Butane	0.421	0.01764	1.344
2,2 Dimethylpropane	0.005	0.00025	0.020
Isopentane	0.153	0.00744	0.606
n-Pentane	0.111	0.00535	0.440
2,2 Dimethylbutane	0.012	0.00067	0.057
Cyclopentane	0.000	0.00000	0.000
2,3 Dimethylbutane	0.018	0.00098	0.085
2 Methylpentane	0.058	0.00320	0.275
3 Methylpentane	0.032	0.00174	0.151
n-Hexane	0.060	0.00328	0.284
Methylcyclopentane	0.014	0.00064	0.065
Benzene	0.014	0.00052	0.060
Cyclohexane	0.014	0.00063	0.065
2-Methylhexane	0.011	0.00068	0.061
3-Methylhexane	0.010	0.00061	0.055
2,2,4 Trimethylpentane	0.000	0.00000	0.000
Other C7's	0.015	0.00087	0.082
n-Heptane	0.015	0.00092	0.083
Methylcyclohexane	0.011	0.00059	0.059
Toluene	0.009	0.00040	0.046
Other C8's	0.010	0.00062	0.061
n-Octane	0.003	0.00020	0.019
Ethylbenzene	0.000	0.00000	0.000
M & P Xylenes	0.002	0.00010	0.012
O-Xylene	0.000	0.00000	0.000
Other C9's	0.000	0.00000	0.000
n-Nonane	0.000	0.00000	0.000
Other C10's	0.000	0.00000	0.000
n-Decane	0.000	0.00000	0.000
Undecanes (11)	0.000	0.00000	0.000
Totals	100.000	0.11502	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.630	(Air=1)
Compressibility (Z)	0.9974	
Molecular Weight	18.21	
Gross Heating Value		
Dry Basis	1113 BTU/CF	41.46 MJ/M ³
Saturated Basis	1094 BTU/CF	40.77 MJ/M ³
Wobbe Index	1402 BTU/CF	52.23 MJ/M ³