

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 Calorifico (MJ/m³)	Índice Wobbe (MJ/m³)	Acido Sulfhidrico (mg/m³)
01/08/15	87.2733	0.5253	0.1061	0.6314	7.9647	274.5420	320.3691	42.9239	53.5454	4.3650
02/08/15	89.0393	0.7435	0.1339	0.8774	6.7709	276.1260	320.3691	41.9050	52.8308	6.6623
03/08/15	88.3203	0.7088	0.1395	0.8483	7.1891	267.3647	320.3691	42.2759	53.0554	8.0408
04/08/15	87.5618	0.6491	0.1310	0.7802	7.6438	272.1210	320.3691	42.6819	53.3206	2.9866
05/08/15	87.4906	0.5955	0.1152	0.7107	7.7982	278.2660	320.3691	42.7312	53.3904	4.5947
06/08/15	87.6535	0.6694	0.1681	0.8375	7.6546	277.1158	320.3691	42.5264	53.2067	4.1352
07/08/15	87.6477	0.6549	0.1208	0.7757	7.6289	279.5180	320.3691	42.5895	53.2713	2.9866
08/08/15	88.1572	0.6917	0.1130	0.8047	7.3220	280.6870	320.3691	42.3536	53.1210	3.4460
09/08/15	88.2393	0.6184	0.0993	0.7177	7.3865	280.1280	320.3691	42.3790	53.1897	0.9189
10/08/15	87.8365	0.7188	0.1000	0.8187	7.6563	280.1220	320.3691	42.4369	53.1548	1.3784
11/08/15	88.0044	0.6158	0.1170	0.7328	7.4593	275.8540	320.3691	42.5176	53.2587	2.5271
12/08/15	86.7518	0.5562	0.1042	0.6604	8.1278	278.5870	320.3691	43.2124	53.6817	4.3650
13/08/15	87.2857	0.5280	0.1131	0.6411	7.8819	280.8120	320.3691	42.9543	53.5567	4.1352
14/08/15	88.0757	0.6229	0.1000	0.7229	7.4891	280.0030	320.3691	42.4580	53.2296	3.9055
15/08/15	88.9735	0.8858	0.1165	1.0023	6.8913	279.5790	320.3691	41.7328	52.6493	1.1487
16/08/15	89.6428	0.8695	0.1183	0.9879	6.6328	280.1250	320.3691	41.3609	52.4540	12.8652
17/08/15	88.7400	0.6844	0.1287	0.8131	6.9390	278.1240	320.3691	42.1119	52.9856	11.9463
18/08/15	88.4304	0.7255	0.1321	0.8576	7.1265	274.4330	320.3691	42.2269	53.0204	8.7300
19/08/15	88.7582	0.7346	0.1467	0.8813	7.0607	277.1100	320.3691	41.9744	52.8700	2.5271
20/08/15	89.3607	0.6940	0.1374	0.8314	6.5909	278.2240	320.3691	41.7968	52.8027	1.8379
21/08/15	89.0276	0.6916	0.1300	0.8216	6.7955	280.3580	320.3691	41.9562	52.8955	1.8379
22/08/15	89.4639	0.7560	0.1307	0.8867	6.5316	280.6690	320.3691	41.6960	52.7089	5.9731
23/08/15	89.9517	0.9303	0.1351	1.0654	6.2785	279.8250	320.3691	41.2168	52.3253	1.8379
24/08/15	89.5079	0.7361	0.1263	0.8624	6.6307	277.2100	320.3691	41.6122	52.6786	2.0676
25/08/15	89.5444	0.7850	0.1373	0.9223	6.4876	273.6550	320.3691	41.5945	52.6307	1.8379
26/08/15	88.5165	0.6863	0.1404	0.8267	7.0459	282.6210	320.3691	42.2259	53.0424	0.6892
27/08/15	89.5478	0.7987	0.1419	0.9405	6.4742	280.1380	320.3691	41.5733	52.6074	7.5813
28/08/15	89.4224	0.7565	0.1353	0.8918	6.6343	278.2760	320.3691	41.6311	52.6714	5.7434
29/08/15	89.0139	0.7056	0.1289	0.8345	6.8885	278.9290	320.3691	41.8900	52.8501	6.6623
30/08/15	88.7132	0.6614	0.1279	0.7893	6.9735	280.6589	320.3691	42.1687	53.0326	0.2297
31/08/15	88.6402	0.6532	0.1248	0.7780	7.1108	280.6589	320.3691	42.1537	53.0311	2.0676

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

Mínimo	86.7518	0.5253	0.0993	0.6314	6.2785	267.3647	320.3691	41.2168	52.3253	0.2297
Promedio	88.5352	0.6985	0.1258	0.8243	7.1311	278.1239	320.3691	42.1570	53.0022	4.1945
Máximo	89.9517	0.9303	0.1681	1.0654	8.1278	282.6210	320.3691	43.2124	53.6817	12.8652
Desv. Est.	0.8329	0.0942	0.0154	0.1011	0.5000	3.1414	0.0000	0.4885	0.3279	3.1433

Azufre total* (mg/m³)	Oxígeno* (% vol)
1.3460	0.0010

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 Phenix
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)
01/08/15	87.6760	0.6930	0.4160	1.1090	7.1900		240.2800	42.2577	51.2700	1.4400
02/08/15										
03/08/15										
04/08/15										
05/08/15										
06/08/15										
07/08/15										
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27/08/15										
28/08/15										
29/08/15										
30/08/15										
31/08/15										

Azufre total* (mg/m ³)	Oxígeno* (% vol)
1.3460	0.0010

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

Mínimo	87.6760	0.6930	0.4160	1.1090	7.1900	0.0000	240.2800	42.2577	51.2700	1.4400
Promedio	87.6760	0.6930	0.4160	1.1090	7.1900	0.0000	0.0000	42.2577	0.0000	0.0000
Máximo	87.6760	0.6930	0.4160	1.1090	7.1900	0.0000	240.2800	42.2577	51.2700	1.4400
Desv. Est.	87.6760	0.6930	0.4160	1.1090	7.1900	0.0000	240.2800	42.2577	51.2700	1.4400

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)
01/08/15	87.4730	0.5636	0.1095	0.6731	8.0610	274.5420	320.3691	43.0016	53.5991	4.3650
02/08/15	89.5819	0.8048	0.1374	0.9422	7.1344	276.1260	320.3691	42.2706	53.0747	6.6623
03/08/15	88.4823	0.7264	0.1453	0.8653	7.2829	267.3647	320.3691	42.3924	53.1336	8.0408
04/08/15	88.0041	0.6959	0.1444	0.8402	7.9219	272.1210	320.3691	42.9926	53.5426	2.9866
05/08/15	87.8126	0.6080	0.1211	0.7291	7.9168	278.2660	320.3691	42.8005	53.4410	4.5947
06/08/15	87.8337	0.6867	0.1888	0.8541	7.8674	277.1158	320.3691	42.7158	53.3190	4.1352
07/08/15	87.8309	0.6899	0.1249	0.8096	7.7717	279.5180	320.3691	42.8287	53.4178	2.9866
08/08/15	88.5270	0.7461	0.1147	0.8609	7.4693	280.6870	320.3691	42.5483	53.2597	3.4460
09/08/15	88.6242	0.6608	0.1013	0.7600	7.6805	280.1280	320.3691	42.7426	53.4279	0.9189
10/08/15	88.1624	0.7515	0.1018	0.8532	7.9014	280.1220	320.3691	42.6806	53.3121	1.3784
11/08/15	88.7571	0.6881	0.1204	0.8018	7.9097	275.8540	320.3691	43.0328	53.5927	2.5271
12/08/15	86.8369	0.5695	0.1052	0.6744	8.2127	278.5870	320.3691	43.2912	53.7373	4.3650
13/08/15	87.4374	0.5431	0.1167	0.6598	7.9261	280.8120	320.3691	43.0613	53.6242	4.1352
14/08/15	88.3814	0.6636	0.1031	0.7658	7.7284	280.0030	320.3691	42.6687	53.3801	3.9055
15/08/15	89.2532	0.9318	0.1181	1.0493	7.1411	279.5790	320.3691	42.0311	52.8601	1.1487
16/08/15	90.1221	0.9194	0.1201	1.0395	6.8595	280.1250	320.3691	41.5872	52.6182	12.8652
17/08/15	89.3724	0.7616	0.1328	0.8909	7.4655	278.1240	320.3691	42.8137	53.4545	11.9463
18/08/15	89.0235	0.7720	0.1364	0.9045	7.5158	274.4330	320.3691	42.4934	53.1888	8.7300
19/08/15	89.5217	0.7631	0.1520	0.9151	7.7329	277.1100	320.3691	42.1493	52.9729	2.5271
20/08/15	90.0554	0.7918	0.1391	0.9289	6.8839	278.2240	320.3691	42.0955	52.9914	1.8379
21/08/15	89.4163	0.7430	0.1371	0.8793	6.9567	280.3580	320.3691	42.1554	53.0389	1.8379
22/08/15	89.8192	0.8055	0.1369	0.9367	6.7921	280.6690	320.3691	41.9831	52.9203	5.9731
23/08/15	90.2524	0.9698	0.1371	1.1069	6.5150	279.8250	320.3691	41.4958	52.5177	1.8379
24/08/15	89.6793	0.8023	0.1271	0.9268	6.7007	277.2100	320.3691	41.8158	52.8180	2.0676
25/08/15	89.8004	0.8132	0.1388	0.9520	6.6664	273.6550	320.3691	41.8538	52.7992	1.8379
26/08/15	88.6578	0.6975	0.1433	0.8408	7.1381	282.6210	320.3691	42.3422	53.1158	0.6892
27/08/15	90.1807	0.8728	0.1457	1.0174	6.9122	280.1380	320.3691	42.1286	52.9722	7.5813
28/08/15	89.6505	0.7783	0.1412	0.9195	6.7290	278.2760	320.3691	41.7475	52.7484	5.7434
29/08/15	89.5753	0.8175	0.1398	0.9360	7.2006	278.9290	320.3691	42.4788	53.2586	6.6623
30/08/15	89.3836	0.7527	0.1298	0.8825	7.3406	280.6589	320.3691	42.5797	53.3136	0.2297
31/08/15	89.4596	0.7450	0.1334	0.8731	8.0427	280.6589	320.3691	42.9812	53.5929	2.0676
Máximo	90.2524	0.9698	0.1888	1.1069	8.2127	282.6210	320.3691	43.2912	53.7373	12.8652

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 Phenix
 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)
01/08/15	87.6760	0.6930	0.4160	1.1090	7.1900		240.2800	42.2577	51.2700	1.4400
02/08/15										
03/08/15										
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28/08/15										
29/08/15										
30/08/15										
31/08/15										

Máximo	87.6760	0.6930	0.4160	1.1090	7.1900	0.0000	240.2800	42.2577	51.2700	1.4400
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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 Rocio (K)	Humedad (mg/m ³)	Poder Calorífico (MJ/m ³)	Índice Wobbe (MJ/m ³)	Acido Sulfhídrico (mg/m ³)
01/08/15	87.1346	0.5005	0.1041	0.6069	7.8113	274.5420	320.3691	42.8046	53.4537	4.3650
02/08/15	88.4385	0.6775	0.1296	0.8134	6.4283	276.1260	320.3691	41.5755	52.6069	6.6623
03/08/15	88.1311	0.6834	0.1327	0.8286	7.1049	267.3647	320.3691	42.1754	52.9889	8.0408
04/08/15	87.1029	0.5871	0.1039	0.6909	7.3643	272.1210	320.3691	42.4209	53.1414	2.9866
05/08/15	87.3520	0.5786	0.1112	0.6898	7.5718	278.2660	320.3691	42.5821	53.2981	4.5947
06/08/15	87.2956	0.6421	0.1379	0.8180	7.5365	277.1158	320.3691	42.4238	53.1395	4.1352
07/08/15	87.2759	0.6330	0.1164	0.7494	7.4986	279.5180	320.3691	42.4736	53.1854	2.9866
08/08/15	87.8753	0.6447	0.1107	0.7553	7.1145	280.6870	320.3691	42.1101	52.9509	3.4460
09/08/15	87.6766	0.5570	0.0956	0.6579	7.1729	280.1280	320.3691	42.1364	53.0291	0.9189
10/08/15	87.4367	0.6829	0.0988	0.7817	7.4706	280.1220	320.3691	42.2334	53.0211	1.3784
11/08/15	87.1717	0.5348	0.1137	0.6521	7.0453	275.8540	320.3691	42.0552	52.9598	2.5271
12/08/15	86.6202	0.5376	0.1026	0.6402	8.0755	278.5870	320.3691	43.1598	53.6547	4.3650
13/08/15	87.1423	0.5158	0.1096	0.6254	7.8495	280.8120	320.3691	42.8341	53.4801	4.1352
14/08/15	87.7145	0.5720	0.0962	0.6683	7.3147	280.0030	320.3691	42.2642	53.0958	3.9055
15/08/15	88.5115	0.8166	0.1147	0.9325	6.7266	279.5790	320.3691	41.5607	52.5232	1.1487
16/08/15	89.2856	0.8134	0.1158	0.9292	6.3844	280.1250	320.3691	41.0555	52.2506	12.8652
17/08/15	87.6700	0.5582	0.1248	0.6830	6.6274	278.1240	320.3691	41.6956	52.7059	11.9463
18/08/15	87.8961	0.6926	0.1291	0.8233	6.6837	274.4330	320.3691	41.9253	52.8235	8.7300
19/08/15	88.1198	0.7015	0.1422	0.8464	6.3585	277.1100	320.3691	41.6906	52.6915	2.5271
20/08/15	88.8245	0.6281	0.1358	0.7672	6.2791	278.2240	320.3691	41.3208	52.4751	1.8379
21/08/15	88.7534	0.6506	0.1147	0.7653	6.5751	280.3580	320.3691	41.6997	52.7174	1.8379
22/08/15	89.0247	0.6824	0.1214	0.8038	6.3403	280.6690	320.3691	41.4613	52.5461	5.9731
23/08/15	89.5129	0.8751	0.1335	1.0087	6.1143	279.8250	320.3691	41.0217	52.1896	1.8379
24/08/15	89.2598	0.6947	0.1245	0.8214	6.5389	277.2100	320.3691	41.4159	52.5270	2.0676
25/08/15	89.1656	0.7468	0.1365	0.8839	6.3151	273.6550	320.3691	41.4161	52.5129	1.8379
26/08/15	88.3125	0.6714	0.1374	0.8120	6.9737	282.6210	320.3691	42.1477	52.9912	0.6892
27/08/15	88.6849	0.7130	0.1381	0.8510	6.1847	280.1380	320.3691	41.1318	52.3128	7.5813
28/08/15	89.2337	0.7345	0.1284	0.8742	6.4958	278.2760	320.3691	41.4853	52.5737	5.7434
29/08/15	88.2653	0.5693	0.1178	0.7090	6.6355	278.9290	320.3691	41.4613	52.5445	6.6623
30/08/15	88.0552	0.5773	0.1270	0.7050	6.6367	280.6589	320.3691	41.7181	52.7239	0.2297
31/08/15	87.1792	0.5005	0.1064	0.6069	6.6270	280.6589	320.3691	41.6703	52.7037	2.0676

Mínimo	86.6202	0.5005	0.0956	0.6069	6.1143	267.3647	320.3691	41.0217	52.1896	0.2297
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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 Phenix
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)
01/08/15	87.6760	0.6930	0.4160	1.1090	7.1900		240.2800	42.2577	51.2700	1.4400
02/08/15										
03/08/15										
04/08/15										
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Mínimo	87.6760	0.6930	0.4160	1.1090	7.1900	0.0000	240.2800	42.2577	51.2700	1.4400

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:	July 23, 2015
Carbon Dioxide	0.896		PLANT:	
Nitrogen	0.175		COMPANY:	WTG
Methane	85.966	14.491	PURCHASER:	
Ethane	8.399	2.233	LEASE:	MEXICO STATION
Propane	2.882	0.789	STATION:	781-006
iso-Butane	0.420	0.137	PRESSURE:	190 #
n-Butane	0.679	0.213	TEMPERATURE:	82 F
iso-Pentane	0.203	0.074	CYLINDER:	TM 11136
n-Pentane	0.165	0.059	ANALYSIS BY:	TM11 IM
Hexane +	0.215	0.093	SECURED BY:	A.RAMIREZ
			DATE SAMPLED:	07/10/15

100.000

GASOLINE CONTENT @ 14.65 PSIA & 60 F REMARKS: COMPOSITE

	GPM
PROPANE & HEAVIER	1.365
BUTANE & HEAVIER	0.576
PENTANE & HEAVIER	0.226

Gross Heating Value RESULTS TO:
BTU @ 14.65 PSIA & 60 F West Texas Gas

Dry	1147.4
Wet	1127.3

SPECIFIC GRAVITY
0.6607

*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	DATE RUN:	July 23, 2015
Carbon Dioxide	0.693		PLANT:	
Nitrogen	0.416		COMPANY:	WTG
Methane	87.676	14.780	PURCHASER:	
Ethane	7.190	1.911	LEASE:	CUSTOM STATION
Propane	2.145	0.587	STATION:	781-009
iso-Butane	0.470	0.153	PRESSURE:	400 #
n-Butane	0.637	0.200	TEMPERATURE:	78 F
iso-Pentane	0.260	0.095	CYLINDER:	TM 11462
n-Pentane	0.209	0.075	ANALYSIS BY:	TM11 IM
Hexane +	0.304	0.132	SECURED BY:	A.RAMIREZ
			DATE SAMPLED:	07/10/15

100.000

GASOLINE CONTENT @ 14.65 PSIA & 60 F REMARKS: COMPOSITE

	GPM
PROPANE & HEAVIER	1.242
BUTANE & HEAVIER	0.655
PENTANE & HEAVIER	0.302

Gross Heating Value RESULTS TO:
BTU @ 14.65 PSIA & 60 F West Texas Gas
Dry 1133.6
Wet 1113.8

SPECIFIC GRAVITY
0.6512

*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 NacionaI de Gas SA de CV Cruce Internacional II

September 8, 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 & 82°F

Date Sampled: 08/17/2015

Job Number: 53898.001

CHROMATOGRAPH EXTENDED ANALYSIS - SUMMATION REPORT

COMPONENT	VOL %	L/M ³
Oxygen	0.001	
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.227	
Carbon Dioxide	0.951	
Methane	90.978	
Ethane	5.629	
Propane	1.228	0.04496
Isobutane	0.216	0.00939
n-Butane	0.358	0.01500
2-2 Dimethylpropane	0.014	0.00071
Isopentane	0.123	0.00598
n-Pentane	0.090	0.00434
Hexanes	0.099	0.00542
Heptanes Plus	0.086	0.00463
Totals	100.000	0.09044

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.329 (Air=1)
Molecular Weight ----- 96.17
Gross Heating Value ----- 4997 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.622 (Air=1)
Compressibility (Z) ----- 0.9975
Molecular Weight ----- 17.98
Gross Heating Value -----
Dry Basis ----- 1085 BTU/CF 40.44 mJ/M³
Saturated Basis ----- 1067 BTU/CF 39.77 mJ/M³
Wobbe Index ----- 1376 BTU/CF 51.27 mJ/M³

Water Content Provided By: Compania Nacional de Gas S.A. de C.V.
15.0 Lbs/MMCF 240.28 mg/M³

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

Results: 0.063 Gr/100 CF, 1.0 PPMV, 0.000 Mol % or 1.44 mg/M³

H2S As Total Sulfur: 0.059 Gr/100 CF or 1.346 mg/M³

Base Conditions: 14.650 PSI & 60 Deg F

Sampled By: MSI
Analyst: RG
Processor: dm
Cylinder ID: T-4838

Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

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

FESCO, Ltd.

Job Number: 53898.001

**CHROMATOGRAPH EXTENDED ANALYSIS
TOTAL REPORT**

COMPONENT	VOL. %	l /M ³	WT %
Oxygen	0.001		0.002
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.227		0.354
Carbon Dioxide	0.951		2.328
Methane	90.978		81.188
Ethane	5.629		9.415
Propane	1.228	0.04496	3.012
Isobutane	0.216	0.00939	0.698
n-Butane	0.358	0.01500	1.157
2,2 Dimethylpropane	0.014	0.00071	0.056
Isopentane	0.123	0.00598	0.494
n-Pentane	0.090	0.00434	0.361
2,2 Dimethylbutane	0.006	0.00033	0.029
Cyclopentane	0.000	0.00000	0.000
2,3 Dimethylbutane	0.010	0.00054	0.048
2 Methylpentane	0.031	0.00171	0.149
3 Methylpentane	0.018	0.00098	0.086
n-Hexane	0.034	0.00186	0.163
Methylcyclopentane	0.009	0.00041	0.042
Benzene	0.009	0.00033	0.039
Cyclohexane	0.008	0.00036	0.037
2-Methylhexane	0.007	0.00043	0.039
3-Methylhexane	0.006	0.00036	0.033
2,2,4 Trimethylpentane	0.000	0.00000	0.000
Other C7's	0.009	0.00052	0.050
n-Heptane	0.010	0.00061	0.056
Methylcyclohexane	0.008	0.00043	0.044
Toluene	0.006	0.00027	0.031
Other C8's	0.007	0.00043	0.043
n-Octane	0.003	0.00020	0.019
Ethylbenzene	0.000	0.00000	0.000
M & P Xylenes	0.001	0.00005	0.006
O-Xylene	0.000	0.00000	0.000
Other C9's	0.002	0.00013	0.014
n-Nonane	0.001	0.00007	0.007
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	0.09044	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.622	(Air=1)
Compressibility (Z)	0.9976	
Molecular Weight	17.98	
Gross Heating Value		
Dry Basis	1085 BTU/CF	40.44 MJ/M ³
Saturated Basis	1067 BTU/CF	39.77 MJ/M ³
Wobbe Index	1376 BTU/CF	51.27 MJ/M ³