



Altamira, Tamaulipas a 13 de Noviembre de 2020  
Ref. TLA-CRE-49-2020

## H. COMISIÓN REGULADORA DE ENERGIA C. SECRETARIO EJECUTIVO

Terminal de LNG de Altamira

**Asunto: Requerimiento de información sobre la calidad de Gas Natural en los puntos de inyección de acuerdo con las especificaciones del gas natural, en cumplimiento con las secciones 6.8.1 y 6.8.2 de la NOM-001-SECRE-2010.**

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Río Palmas S/N  
Puerto Industrial  
C.P. 89603  
Altamira, Tamps.; MX

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**JOSE LUIS VITAGLIANO NOVOA**, en mi función de Director General, en nombre y representación de Terminal de LNG de Altamira, S. de R. L. de C. V., personalidad acreditada previamente ante esta H. Autoridad, mediante el testimonio notarial No.150,129 de fecha 30 de abril de 2019, otorgado ante la fe del Lic. Joaquín Humberto Cáceres y Ferráez, titular la notaría No. 21 de la Ciudad de México, y señalando como domicilio para recibir todas clase de notificaciones y documentos, el ubicado en Av. Río Palmas S/N, Col. Puerto Industrial, Altamira, Tamaulipas, C.P. 89603, teléfono (833) 2603700, con el debido respeto comparezco ante esta H. Autoridad para exponer:

### I. ANTECEDENTES

- a) Que con fecha 31 de julio de 2003, mediante la resolución número RES/145/2003, esta H. Comisión resolvió otorgar a favor de mi representada el Permiso de Almacenamiento de Gas Natural de Acceso Abierto número G/138/ALM/2003.
- b) De conformidad con la NOM-001-SECRE-2010 se solicita a mi representada un informe de la calidad de gas natural en los puntos de inyección, conforme a la formalidad establecida en dicha norma, que se anexa al presente documento



como Anexo "A", así como en medio magnético. El informe contiene la calidad para el punto de inyección denominado CENAGAS (antes PEMEX) y para el denominado ALTAMIRA V para el mes de Octubre del año 2020.

Terminal de LNG de Altamira

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**POR LO ANTERIORMENTE EXPUESTO**, a este H. Comisión Reguladora de Energía, respetuosamente solicito:

**PRIMERO.** Recibir el oficio.

**SEGUNDO.** Tener a Terminal de LNG de Altamira, S. de R.L. de C.V. por debidamente presentada en términos del presente escrito, y por cumplido en tiempo y forma el requerimiento de la NOM-001-SECRE-2010.

Sin más por el momento, agradezco de antemano la atención prestada a la presente.

**TERMINAL DE LNG DE ALTAMIRA, S. DE R. L. DE C. V.**

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**JOSE LUIS VITAGLIANO NOVOA  
REPRESENTANTE LEGAL  
TERMINAL DE LNG DE ALTAMIRA**



Terminal de LNG de Altamira

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## **ANEXO "A"**

### **INFORME MENSUAL SOBRE LA CALIDAD DEL GAS NATURAL EN LOS PUNTOS DE INYECCIÓN CORRESPONDIENTE AL MES DE OCTUBRE 2020 PARA EL PERMISIONARIO TERMINAL DE LNG DE ALTAMIRA S. DE R.L. DE C.V.**



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



**PERMISIONARIO:** Terminal de LNG de Altamira S. de R.L. de C.V.  
**PUNTO DE MEDICIÓN:** CENAGAS (antes PEMEX)  
**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 <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)
01/10/2020	98.7622	0.1179	0.1764	0.2943	0.9066	188.9884	2.9854	37.9511	50.6701	0.0000		
02/10/2020	99.3526	0.0116	0.0514	0.0630	0.5776	191.0417	2.4690	37.9226	50.7874	0.0000		
03/10/2020	99.6129	0.0000	0.0458	0.0458	0.3334	188.5521	2.3951	37.8601	50.7634	0.0000		
04/10/2020	99.6986	0.0003	0.0604	0.0607	0.2385	188.1686	2.1508	37.8238	50.7357	0.0000		
05/10/2020	99.4164	0.0036	0.1109	0.1146	0.4633	188.3846	2.1362	37.8697	50.7348	0.0000		
06/10/2020	99.6813	0.0000	0.0301	0.0301	0.2853	188.3548	2.0428	37.8494	50.7650	0.0000		
07/10/2020	99.7113	0.0000	0.0271	0.0271	0.2586	188.3425	2.0557	37.8428	50.7627	0.0000		
08/10/2020	98.7517	0.1744	0.1781	0.3525	0.8554	188.5686	1.8272	37.9152	50.6049	0.0000		
09/10/2020	98.4164	0.1937	0.2609	0.4546	1.0797	188.6772	1.9081	37.9470	50.5705	0.0000		
10/10/2020	99.5464	0.0000	0.1087	0.1087	0.3416	188.2816	2.0469	37.8357	50.7194	0.0000		
11/10/2020	99.6585	0.0179	0.0535	0.0714	0.2650	189.9965	2.4916	37.8301	50.7308	0.0000		
12/10/2020	99.6936	0.0000	0.0248	0.0248	0.2790	188.1853	2.0330	37.8492	50.7674	0.0000		
13/10/2020	99.6937	0.0000	0.0233	0.0233	0.2791	188.1853	1.8759	37.8505	50.7689	0.0000		
14/10/2020	99.4989	0.0111	0.0486	0.0597	0.4344	189.7570	2.3777	37.8830	50.7668	0.0000		
15/10/2020	99.5661	0.0000	0.0788	0.0788	0.3507	188.4514	2.3924	37.8503	50.7420	0.0000		
16/10/2020	99.5904	0.0197	0.0412	0.0609	0.3416	190.0353	2.5623	37.8564	50.7496	0.0000		
17/10/2020	99.5537	0.0078	0.0317	0.0395	0.4001	191.6636	2.1317	37.8807	50.7761	0.0000		
18/10/2020	99.3919	0.0297	0.0521	0.0818	0.5176	193.6845	2.6050	37.8997	50.7611	0.0000		
19/10/2020	99.7486	0.0046	0.0340	0.0386	0.2100	188.2751	2.2309	37.8244	50.7457	0.0000		
20/10/2020	99.7208	0.0000	0.0223	0.0223	0.2539	188.2855	2.0535	37.8432	50.7653	0.0000		
21/10/2020	99.6029	0.0000	0.0240	0.0240	0.3673	188.7211	2.2284	37.8767	50.7833	0.0000		
22/10/2020	99.4168	0.0004	0.0275	0.0280	0.5429	189.0444	2.4010	37.9294	50.8109	0.0000		
23/10/2020	99.3116	0.0195	0.0485	0.0680	0.6111	192.7172	2.3990	37.9320	50.7884	0.0000		
24/10/2020	99.0004	0.0554	0.0841	0.1394	0.8422	198.2098	2.7297	37.9766	50.7704	0.0000		
25/10/2020	99.3754	0.0048	0.0304	0.0352	0.5820	189.7991	2.2208	37.9348	50.8093	0.0000		
26/10/2020	99.7365	0.0000	0.0517	0.0517	0.2104	188.1056	2.1227	37.8187	50.7373	0.0000		
27/10/2020	99.4371	0.0000	0.0288	0.0288	0.5284	188.9619	1.9140	37.9208	50.8057	0.0000		
28/10/2020	99.7809	0.0000	0.0201	0.0201	0.1972	188.1649	1.5519	37.8271	50.7572	0.0034		
29/10/2020	98.2506	0.2514	0.2602	0.5116	1.1683	188.6925	2.5149	37.9647	50.5396	0.0493		
30/10/2020	99.4250	0.0002	0.0847	0.0849	0.4856	188.7882	1.8152	37.8867	50.7595	0.0400		
31/10/2020	99.5966	0.0310	0.0663	0.0973	0.2986	191.0283	2.3327	37.8307	50.7149	0.0930		

\*/ 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>	98.2506	0.0000	0.0201	0.0201	0.1972	188.1056	1.5519	37.8187	50.5396	0.0000		
<b>Promedio</b>	99.4193	0.0308	0.0705	0.1013	0.4679	189.5520	2.2259	37.8801	50.7408	0.0060		
<b>Máximo</b>	99.7809	0.2514	0.2609	0.5116	1.1683	198.2098	2.9854	37.9766	50.8109	0.0930		
<b>Desv. Est.</b>	0.387641413	0.06377507	0.064640433	0.125762832	0.258698976	2.137748564	0.302738608	0.047067626	0.063750663	0.019654434		

TLA-CRE-49-2020  
Pág. 4/9

Observaciones:

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



PERMISIONARIO: Terminal de LNG de Altamira S. de R.L. de C.V.  
 PUNTO DE MEDICIÓN: CENAGAS (antes PEMEX)  
 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> )
01/10/2020	99.8679	0.6897	0.8656	1.5553	3.1176	188.9884	3.8337	38.2321	50.8218	0.0000
02/10/2020	99.9118	0.1648	0.1853	0.3500	1.9283	192.2071	3.8799	38.3184	51.0182	0.0000
03/10/2020	99.9200	0.0000	0.0820	0.0820	1.9658	192.3161	4.0291	38.3308	51.0258	0.0000
04/10/2020	99.7830	0.0072	0.1546	0.1618	0.4485	188.1749	3.6451	37.8469	50.7539	0.0000
05/10/2020	99.6609	0.0097	0.2254	0.2352	0.8374	189.6475	3.8709	37.9663	50.8066	0.0000
06/10/2020	99.9106	0.0000	0.0672	0.0672	0.6583	189.1974	3.3840	37.9537	50.8188	0.0000
07/10/2020	99.9029	0.0000	0.0997	0.0997	1.2192	190.4627	3.3206	38.1119	50.9027	0.0000
08/10/2020	99.7774	0.4260	0.4148	0.8408	1.7711	188.5686	3.0243	38.0476	50.7664	0.0000
09/10/2020	99.8552	0.5405	0.5666	1.1071	2.3579	189.1335	3.1444	38.1164	50.7854	0.0000
10/10/2020	99.8798	0.0000	0.7952	0.7952	1.0011	189.8132	3.5231	38.0109	50.8304	0.0000
11/10/2020	99.9143	0.6576	0.8164	1.4741	3.0852	189.3757	3.2963	38.2018	50.7766	0.0000
12/10/2020	99.7798	0.0000	0.0641	0.0641	0.6119	188.1853	3.5350	37.9402	50.8137	0.0000
13/10/2020	99.7674	0.0000	0.0515	0.0515	0.4353	188.1853	3.4769	37.8887	50.7853	0.0000
14/10/2020	99.6941	0.0559	0.2324	0.2883	0.7027	188.1853	3.7251	37.9659	50.8300	0.0000
15/10/2020	99.7893	0.0000	0.6475	0.6475	0.6335	189.1215	3.6918	37.9395	50.8087	0.0000
16/10/2020	99.9055	0.7597	0.6339	1.3936	3.3103	188.7178	4.2454	38.3022	50.8928	0.0000
17/10/2020	99.8703	0.1033	0.1084	0.2116	0.8975	189.8008	3.6394	38.0278	50.8576	0.0000
18/10/2020	99.9267	0.2658	0.2690	0.5349	1.5407	189.3926	3.4007	38.0482	50.8317	0.0000
19/10/2020	99.9207	0.0269	0.0765	0.1034	0.7054	189.3095	3.8442	37.9616	50.8143	0.0000
20/10/2020	99.9134	0.0000	0.0246	0.0246	0.8370	189.5921	3.4883	38.0127	50.8603	0.0000
21/10/2020	99.9085	0.0000	0.0381	0.0381	1.4228	191.1236	3.6179	38.1888	50.9530	0.0000
22/10/2020	99.8601	0.0199	0.0615	0.0813	1.1184	190.3577	3.8838	38.0908	50.8879	0.0000
23/10/2020	99.8582	0.2340	0.2441	0.4781	1.2990	190.0532	5.1401	38.0547	50.8628	0.0000
24/10/2020	99.6291	0.4323	0.4265	0.8588	1.8624	190.9390	6.4636	38.1801	50.9515	0.0000
25/10/2020	99.8590	0.1112	0.1267	0.2379	1.0069	190.0540	3.8476	38.0557	50.8687	0.0000
26/10/2020	99.9156	0.0000	0.3075	0.3075	0.7099	189.2984	3.5755	37.9735	50.8364	0.0000
27/10/2020	99.9068	0.0000	0.0758	0.0758	2.4570	193.6881	3.5850	37.9956	51.1088	0.0000
28/10/2020	99.8717	0.0000	0.0211	0.0211	0.2959	188.1836	2.2377	37.8555	50.7731	0.1990
29/10/2020	99.7343	0.6442	0.6158	1.2600	2.4869	188.8401	4.0162	38.1109	50.7839	0.3347
30/10/2020	99.9157	0.0368	0.4924	0.5292	1.4777	191.1041	3.0672	38.1820	50.9340	0.4049
31/10/2020	99.9064	0.8348	0.7803	1.6151	2.8416	189.9962	2.9590	38.0600	50.8886	1.3671
<b>Máximo</b>	99.9267	0.8348	0.8656	1.6151	3.3103	193.6881	6.4636	38.3308	51.1088	1.3671

Observaciones:

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

(Registros mínimos diarios)



PERMISIONARIO: Terminal de LNG de Altamira S. de R.L. de C.V.  
 PUNTO DE MEDICIÓN: CENAGAS (antes PEMEX)  
 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> )
01/10/2020	95.1238	0.0000	0.0270	0.0270	0.0943	188.0078	1.2525	37.9511	50.0927	0.0000
02/10/2020	98.0038	0.0000	0.0288	0.0288	0.0584	187.9327	1.4612	37.9226	50.6507	0.0000
03/10/2020	97.9656	0.0000	0.0315	0.0315	0.0480	187.9119	1.1687	37.8601	50.6990	0.0000
04/10/2020	99.3859	0.0000	0.0393	0.0393	0.1668	188.1433	1.0576	37.8238	50.6984	0.0000
05/10/2020	98.9315	0.0000	0.0280	0.0280	0.3081	188.1709	1.0272	37.8697	50.6940	0.0000
06/10/2020	99.2852	0.0000	0.0225	0.0225	0.0589	187.9363	1.0400	37.8494	50.7188	0.0000
07/10/2020	98.6980	0.0000	0.0221	0.0221	0.0712	187.9682	1.1753	37.8428	50.7340	0.0000
08/10/2020	97.3405	0.0000	0.0218	0.0218	0.1983	188.1804	1.3097	37.9152	50.3915	0.0000
09/10/2020	96.4113	0.0000	0.0277	0.0277	0.0900	187.9861	1.1691	37.9470	50.2737	0.0000
10/10/2020	98.4338	0.0000	0.0225	0.0225	0.0469	187.8890	1.1648	37.8357	50.2935	0.0000
11/10/2020	95.2900	0.0000	0.0234	0.0234	0.0599	187.9376	1.1763	37.8301	50.1259	0.0000
12/10/2020	99.3381	0.0000	0.0199	0.0199	0.1948	188.1853	1.1710	37.8492	50.7547	0.0000
13/10/2020	99.5201	0.0000	0.0204	0.0204	0.2070	188.1853	1.1748	37.8505	50.7582	0.0000
14/10/2020	99.0908	0.0000	0.0210	0.0210	0.2794	188.1853	1.4559	37.8830	50.6651	0.0000
15/10/2020	98.7959	0.0000	0.0228	0.0228	0.1526	188.1122	1.4621	37.8503	50.3789	0.0000
16/10/2020	95.1412	0.0000	0.0169	0.0169	0.1526	187.9634	1.1844	37.8564	50.1961	0.0000
17/10/2020	99.0379	0.0000	0.0172	0.0172	0.1526	188.0335	1.1925	37.8807	50.6902	0.0000
18/10/2020	97.8735	0.0000	0.0170	0.0170	0.1526	187.9251	1.3111	37.8997	50.5698	0.0000
19/10/2020	99.2174	0.0000	0.0213	0.0213	0.1526	187.9341	1.1758	37.8244	50.7107	0.0000
20/10/2020	99.1318	0.0000	0.0177	0.0177	0.1526	187.9455	1.3159	37.8432	50.7328	0.0000
21/10/2020	98.5121	0.0000	0.0184	0.0184	0.1526	187.9594	1.3168	37.8767	50.7348	0.0000
22/10/2020	98.7993	0.0000	0.0179	0.0179	0.1526	188.0664	1.3163	37.9294	50.7432	0.0000
23/10/2020	98.1803	0.0000	0.0169	0.0169	0.1526	188.0639	1.3130	37.9320	50.5746	0.0000
24/10/2020	97.1855	0.0000	0.0177	0.0177	0.1526	188.9391	1.3216	39.5589	50.3760	0.0000
25/10/2020	98.7367	0.0000	0.0148	0.0148	0.1526	188.0564	1.1787	37.9348	50.7155	0.0000
26/10/2020	99.2576	0.0000	0.0159	0.0159	0.1526	187.9398	1.1806	37.8187	50.5675	0.0000
27/10/2020	97.4645	0.0000	0.0207	0.0207	0.1526	187.9530	0.8985	37.9208	50.7318	0.0000
28/10/2020	99.6816	0.0000	0.0195	0.0195	0.1526	188.0320	1.0762	37.8271	50.7417	0.0000
29/10/2020	96.1084	0.0000	0.0194	0.0194	0.1526	188.1790	1.2968	37.9647	50.1747	0.0000
30/10/2020	98.4314	0.0000	0.0149	0.0149	0.0586	187.9320	0.8490	37.8867	50.4863	0.0000
31/10/2020	95.4305	0.0000	0.0168	0.0168	0.0550	187.9307	0.7637	37.8307	49.9359	0.0000
<b>Mínimo</b>	95.1238	0.0000	0.0148	0.0148	0.0469	187.8890	0.7637	37.8187	49.9359	0.0000

Observaciones:

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



**PERMISIONARIO:** Terminal de LNG de Altamira S. de R.L. de C.V.  
**PUNTO DE MEDICIÓN:** ALTAMIRA V  
**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 <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)
01/10/2020	99.4935	0.0000	0.0597	0.0597	0.4382	188.7185	6.3859	37.8855	50.7722	0.0000		
02/10/2020	99.4916	0.0000	0.0613	0.0613	0.4385	190.4334	6.5839	37.8848	50.7710	0.0000		
03/10/2020	99.4216	0.0000	0.0584	0.0584	0.5098	188.8766	6.5345	37.9074	50.7851	0.0000		
04/10/2020	99.3590	0.0000	0.0523	0.0523	0.5763	191.5428	5.5349	37.9301	50.8009	0.0000		
05/10/2020	99.3472	0.0000	0.0508	0.0508	0.5892	192.8420	5.5911	37.9347	50.8041	0.0000		
06/10/2020	99.3445	0.0000	0.0505	0.0505	0.5920	189.0729	5.7758	37.9356	50.8048	0.0000		
07/10/2020	99.3429	0.0000	0.0510	0.0510	0.5930	189.0750	6.1070	37.9357	50.8046	0.0000		
08/10/2020	99.3431	0.0000	0.0510	0.0510	0.5928	189.0746	6.6577	37.9357	50.8045	0.0000		
09/10/2020	99.3430	0.0000	0.0511	0.0511	0.5928	189.0747	6.9360	37.9356	50.8045	0.0000		
10/10/2020	99.3430	0.0000	0.0513	0.0513	0.5928	189.0742	6.9653	37.9356	50.8044	0.0000		
11/10/2020	99.3429	0.0000	0.0514	0.0514	0.5927	189.0738	6.8925	37.9355	50.8042	0.0000		
12/10/2020	99.3429	0.0000	0.0516	0.0516	0.5926	189.0735	6.9051	37.9354	50.8041	0.0000		
13/10/2020	99.3426	0.0000	0.0523	0.0523	0.5922	189.0724	5.9663	37.9350	50.8036	0.0000		
14/10/2020	99.3411	0.0000	0.0540	0.0540	0.5920	189.0707	6.2289	37.9342	50.8023	0.0000		
15/10/2020	99.3429	0.0000	0.0552	0.0552	0.5891	189.0630	7.2804	37.9329	50.8010	0.0000		
16/10/2020	99.3635	0.0000	0.0568	0.0568	0.5680	190.4858	5.7100	37.9255	50.7960	0.0000		
17/10/2020	99.3722	0.0000	0.0575	0.0575	0.5593	188.9865	5.5215	37.9224	50.7940	0.0000		
18/10/2020	99.3741	0.0000	0.0577	0.0577	0.5573	188.9808	6.3343	37.9217	50.7935	0.0000		
19/10/2020	99.3745	0.0000	0.0578	0.0578	0.5568	188.9795	6.4693	37.9215	50.7933	0.0000		
20/10/2020	99.3746	0.0000	0.0577	0.0577	0.5567	188.9797	6.0485	37.9215	50.7934	0.0000		
21/10/2020	99.3749	0.0000	0.0577	0.0577	0.5566	188.9791	6.5534	37.9214	50.7934	0.0000		
22/10/2020	99.3743	0.0000	0.0580	0.0580	0.5569	188.9792	6.7581	37.9214	50.7932	0.0000		
23/10/2020	99.3744	0.0000	0.0580	0.0580	0.5567	188.9793	7.0739	37.9214	50.7932	0.0000		
24/10/2020	99.3745	0.0000	0.0580	0.0580	0.5565	188.9791	6.9346	37.9213	50.7931	0.0000		
25/10/2020	99.3732	0.0000	0.0593	0.0593	0.5566	188.9784	7.1258	37.9208	50.7922	0.0000		
26/10/2020	99.3711	0.0000	0.0612	0.0612	0.5567	188.9780	7.0212	37.9202	50.7909	0.0000		
27/10/2020	99.3688	0.0000	0.0634	0.0634	0.5569	188.9773	6.3602	37.9195	50.7895	0.0000		
28/10/2020	99.3622	0.0000	0.0689	0.0689	0.5578	219.4450	3.9978	37.9182	50.7862	0.0000		
29/10/2020	99.3757	0.0000	0.0644	0.0644	0.5497	194.9212	4.0320	37.9166	50.7874	0.0000		
30/10/2020	99.3973	0.0000	0.0575	0.0575	0.5359	193.0096	4.0665	37.9146	50.7896	0.0000		
31/10/2020	99.4001	0.0000	0.0580	0.0580	0.5328	188.9266	4.8460	37.9135	50.7887	0.2966		

\*/ 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>	99.3411	0.0000	0.0505	0.0505	0.4382	188.7185	3.9978	37.8848	50.7710	0.0000		
<b>Promedio</b>	99.3725	0.0000	0.0566	0.0566	0.5595	190.6033	6.1677	37.9231	50.7948	0.0096		
<b>Máximo</b>	99.4935	0.0000	0.0689	0.0689	0.5930	219.4450	7.2804	37.9357	50.8048	0.2966		
<b>Desv. Est.</b>	0.037621556	0	0.004559572	0.004559572	0.038830034	5.549743963	0.910043383	0.012966028	0.008910065	0.053265141		

TLA-CRE-49-2020  
Pág. 7/9

Observaciones: Actualmente la ERM Altamira V no se encuentra suministrando gas natural esta se encuentra empacada y lista cuando se requiera entregar una nominación de gas

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

(Registros máximos diarios)



**PERMISIONARIO:** Terminal de LNG de Altamira S. de R.L. de C.V.  
**PUNTO DE MEDICIÓN:** ALTAMIRA V  
**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> )
01/10/2020	99.4983	0.0000	0.0608	0.0608	0.4391	188.7202	6.3859	37.8862	50.7728	0.0000
02/10/2020	99.4969	0.0000	0.0641	0.0641	0.4394	188.7194	6.5839	37.8857	50.7725	0.0000
03/10/2020	99.4939	0.0000	0.0696	0.0696	0.5487	188.9629	6.5345	37.9198	50.7936	0.0000
04/10/2020	99.3873	0.0000	0.0557	0.0557	0.5837	189.0546	5.5349	37.9334	50.8032	0.0000
05/10/2020	99.3558	0.0000	0.0518	0.0518	0.5908	189.0716	5.5911	37.9361	50.8052	0.0000
06/10/2020	99.3489	0.0000	0.0515	0.0515	0.5932	189.0767	5.7758	37.9361	50.8053	0.0000
07/10/2020	99.3470	0.0000	0.0521	0.0521	0.6052	189.1424	6.1070	37.9429	50.8086	0.0000
08/10/2020	99.3488	0.0000	0.0520	0.0520	0.5942	189.0800	6.6577	37.9363	50.8050	0.0000
09/10/2020	99.3468	0.0000	0.0520	0.0520	0.5937	189.0794	6.9360	37.9361	50.8050	0.0000
10/10/2020	99.3466	0.0000	0.0523	0.0523	0.5940	189.0793	6.9653	37.9360	50.8050	0.0000
11/10/2020	99.3465	0.0000	0.0533	0.0533	0.5937	189.0785	6.8925	37.9360	50.8048	0.0000
12/10/2020	99.3472	0.0000	0.0523	0.0523	0.5937	189.0783	6.9051	37.9358	50.8045	0.0000
13/10/2020	99.3464	0.0000	0.0539	0.0539	0.5937	189.0771	5.9663	37.9357	50.8045	0.0000
14/10/2020	99.3477	0.0000	0.0607	0.0607	0.5933	189.0756	3.1145	37.9361	50.8058	0.0000
15/10/2020	99.3501	0.0000	0.0565	0.0565	0.5930	189.0735	7.2804	37.9343	50.8022	0.0000
16/10/2020	99.3714	0.0000	0.0579	0.0579	0.5861	189.0558	5.7100	37.9318	50.8004	0.0000
17/10/2020	99.3778	0.0000	0.0589	0.0589	0.5639	188.9992	5.5215	37.9241	50.7953	0.0000
18/10/2020	99.3783	0.0000	0.0586	0.0586	0.5586	188.9874	6.3343	37.9224	50.7941	0.0000
19/10/2020	99.3801	0.0000	0.0587	0.0587	0.5579	188.9851	6.4693	37.9220	50.7940	0.0000
20/10/2020	99.3787	0.0000	0.0587	0.0587	0.5578	188.9857	6.0485	37.9221	50.7940	0.0000
21/10/2020	99.3800	0.0000	0.0587	0.0587	0.5578	188.9847	6.5534	37.9220	50.7940	0.0000
22/10/2020	99.3800	0.0000	0.0589	0.0589	0.5578	188.9857	6.7581	37.9219	50.7938	0.0000
23/10/2020	99.3786	0.0000	0.0613	0.0613	0.5578	188.9853	7.0739	37.9220	50.7938	0.0000
24/10/2020	99.3807	0.0000	0.0589	0.0589	0.5580	188.9857	7.2235	37.9220	50.7939	0.0000
25/10/2020	99.3776	0.0000	0.0607	0.0607	0.5581	188.9861	7.1258	37.9219	50.7935	0.0000
26/10/2020	99.3768	0.0000	0.0634	0.0634	0.5579	188.9851	7.0212	37.9214	50.7927	0.0000
27/10/2020	99.3741	0.0000	0.0654	0.0654	0.5582	188.9844	6.3602	37.9207	50.7912	0.0000
28/10/2020	99.3720	0.0000	0.0746	0.0746	0.5597	221.3344	3.9978	37.9201	50.7896	0.0000
29/10/2020	99.3848	0.0000	0.0900	0.0900	0.5614	188.9827	4.0320	37.9184	50.7889	0.0000
30/10/2020	99.4032	0.0000	0.0625	0.0625	0.5448	188.9827	4.0665	37.9162	50.7908	0.0000
31/10/2020	99.4050	0.0000	0.0619	0.0619	0.5341	188.9219	4.8460	37.9143	50.7901	0.2966
<b>Máximo</b>	99.4983	0.0000	0.0900	0.0900	0.6052	221.3344	7.2804	37.9429	50.8086	0.2966

Observaciones:



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



**PERMISIONARIO:** Terminal de LNG de Altamira S. de R.L. de C.V.  
**PUNTO DE MEDICIÓN:** ALTAMIRA V  
**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> )
01/10/2020	99.4903	0.0000	0.0585	0.0585	0.4369	188.7165	3.6018	37.8847	50.7716	0.0000
02/10/2020	99.4859	0.0000	0.0592	0.0592	0.4373	188.7162	4.4039	37.8838	50.7692	0.0000
03/10/2020	99.3833	0.0000	0.0549	0.0549	0.4381	188.7172	3.5437	37.8825	50.7657	0.0000
04/10/2020	99.3500	0.0000	0.0506	0.0506	0.5476	188.9607	3.0790	37.9198	50.7936	0.0000
05/10/2020	99.3432	0.0000	0.0498	0.0498	0.5831	189.0488	3.0790	37.9325	50.8025	0.0000
06/10/2020	99.3410	0.0000	0.0496	0.0496	0.5900	189.0653	3.1952	37.9348	50.8040	0.0000
07/10/2020	99.3233	0.0000	0.0496	0.0496	0.5917	189.0701	3.8234	37.9352	50.8039	0.0000
08/10/2020	99.3393	0.0000	0.0500	0.0500	0.5902	189.0628	4.1247	37.9348	50.8038	0.0000
09/10/2020	99.3393	0.0000	0.0505	0.0505	0.5917	189.0703	4.3570	37.9351	50.8039	0.0000
10/10/2020	99.3388	0.0000	0.0505	0.0505	0.5915	189.0693	4.7637	37.9350	50.8037	0.0000
11/10/2020	99.3385	0.0000	0.0506	0.0506	0.5915	189.0644	4.7637	37.9349	50.8030	0.0000
12/10/2020	99.3394	0.0000	0.0507	0.0507	0.5911	189.0690	4.8208	37.9348	50.8035	0.0000
13/10/2020	99.3391	0.0000	0.0510	0.0510	0.5907	189.0671	4.4151	37.9340	50.8023	0.0000
14/10/2020	99.3320	0.0000	0.0491	0.0491	0.5905	189.0626	5.5189	37.9318	50.7977	0.0000
15/10/2020	99.3359	0.0000	0.0543	0.0543	0.5846	189.0514	5.0542	37.9314	50.7999	0.0000
16/10/2020	99.3437	0.0000	0.0551	0.0551	0.5627	188.9900	3.2533	37.9234	50.7945	0.0000
17/10/2020	99.3653	0.0000	0.0562	0.0562	0.5568	188.9752	3.7551	37.9214	50.7932	0.0000
18/10/2020	99.3704	0.0000	0.0569	0.0569	0.5561	188.9721	4.2409	37.9207	50.7926	0.0000
19/10/2020	99.3709	0.0000	0.0566	0.0566	0.5545	188.9712	4.2989	37.9207	50.7925	0.0000
20/10/2020	99.3705	0.0000	0.0568	0.0568	0.5555	188.9714	4.2989	37.9209	50.7928	0.0000
21/10/2020	99.3709	0.0000	0.0564	0.0564	0.5550	188.9711	4.2409	37.9206	50.7926	0.0000
22/10/2020	99.3706	0.0000	0.0569	0.0569	0.5545	188.9705	4.7056	37.9206	50.7925	0.0000
23/10/2020	99.3685	0.0000	0.0570	0.0570	0.5553	188.9709	4.9380	37.9204	50.7910	0.0000
24/10/2020	99.3708	0.0000	0.0564	0.0564	0.5538	188.9710	4.8218	37.9205	50.7922	0.0000
25/10/2020	99.3693	0.0000	0.0574	0.0574	0.5543	188.9684	4.8799	37.9198	50.7910	0.0000
26/10/2020	99.3660	0.0000	0.0588	0.0588	0.5548	188.9700	4.7637	37.9189	50.7893	0.0000
27/10/2020	99.3646	0.0000	0.0610	0.0610	0.5552	188.9690	3.4856	37.9184	50.7882	0.0000
28/10/2020	99.3529	0.0000	0.0634	0.0634	0.5549	216.1297	3.5437	37.9160	50.7822	0.0000
29/10/2020	99.3355	0.0000	0.0616	0.0616	0.5448	188.9425	1.8009	37.9108	50.7718	0.0000
30/10/2020	99.3810	0.0000	0.0556	0.0556	0.5333	188.9170	2.3238	37.9131	50.7877	0.0000
31/10/2020	99.3939	0.0000	0.0560	0.0560	0.5317	188.9132	2.9047	37.9121	50.7866	0.0000
<b>Mínimo</b>	99.3233	0.0000	0.0491	0.0491	0.4369	188.7162	1.8009	37.8825	50.7657	0.0000

Observaciones: