

### REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

**PARAMETRO FUERA DE ESPECIFICACIÓN:**
**ZONA:**
**RESTO DEL PAIS**

| Metano<br>(CH4)<br>% vol<br>( 84.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno<br>(N2)<br>% vol<br>( 4.0000 )<br>Desv.<br>máxima:<br>1.5000 | Bióxido de<br>Carbono<br>(CO2)<br>%vol<br>( 3.0000 ) | Total de inertes<br>(CO2 y N2)<br>% vol<br>( 4.0000 ) | Poder<br>calorífico<br>MJ/m3<br>( 37.3000 -<br>43.6000 ) | Índice Wobbe<br>MJ/m3<br>( 48.2000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de<br>rocío de<br>hidrocarburos<br>K(°C)<br>( 271.1500 ) | Humedad<br>mg/m3<br>( 110.0000 ) | Acido sulfhídrico<br>(H2S)<br>mg/m3<br>( 6.0000 ) |
|---|-------------------------------|--|--|---|--|---|--|----------------------------------|---|
| % C1                                    | %C2                           | N2   | CO2  | CO2+N2  | Poder  | I. Woobe  | HCDP   | H2O                              | H2S   |
|   |                               |  |  |   |  |   | X  |                                  |   |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**
**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de<br>Especificación | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|---|---|------------------|
| 03/04/2017                                | CRE 13 Madero II                          | 273.15           |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

## REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

**PARAMETRO FUERA DE ESPECIFICACIÓN:**
**ZONA:**
**SUR**

|  |                               |   |  |  |  |   |  |  |   |
|--|-------------------------------|---|--|--|--|---|--|--|---|
| Metano<br>(CH <sub>4</sub> )<br>% vol<br>( 83.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno<br>(N <sub>2</sub> )<br>% vol<br>( 8.0000 )<br>Desv.<br>máxima:<br>1.5000 | Bióxido<br>de<br>Carbono<br>(CO <sub>2</sub> )<br>%vol<br>( 3.0000 ) | Total de inertes<br>(CO <sub>2</sub> y N <sub>2</sub> )<br>% vol<br>( 8.0000 ) | Poder calorífico<br>MJ/m <sup>3</sup><br>( 36.8000 - 43.6000 ) | Índice Wobbe<br>MJ/m <sup>3</sup><br>( 47.3000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío<br>de<br>hidrocarburos<br>K(°C)<br>( 271.1500 ) | Humedad<br>mg/m <sup>3</sup><br>( 110.0000 ) | Acido<br>sulfhídrico<br>(H <sub>2</sub> S)<br>mg/m <sup>3</sup><br>( 6.0000 ) |
| % C1   | %C2                           | N2  | CO2  | CO2+N2   | Poder Calorífico   | I. Woobe  | HCDP   | H2O  | H2S   |
|  |                               |   |  |  |  |   | X  |  |   |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**
**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|-------------------------|---|------------------|
| 01/04/2017              | CRE CFE CCC Huinala                       | 277.5871         |
| 02/04/2017              | CRE CFE CCC Huinala                       | 276.2485         |
| 03/04/2017              | CRE CFE CCC Huinala                       | 275.7892         |
| 04/04/2017              | CRE CFE CCC Huinala                       | 276.9383         |
| 05/04/2017              | CRE CFE CCC Huinala                       | 275.8551         |
| 06/04/2017              | CRE CFE CCC Huinala                       | 275.5126         |
| 07/04/2017              | CRE CFE CCC Huinala                       | 275.8897         |
| 08/04/2017              | CRE CFE CCC Huinala                       | 278.0119         |
| 09/04/2017              | CRE CFE CCC Huinala                       | 277.3568         |
| 10/04/2017              | CRE CFE CCC Huinala                       | 277.0818         |
| 11/04/2017              | CRE CFE CCC Huinala                       | 278.1394         |
| 12/04/2017              | CRE CFE CCC Huinala                       | 280.2869         |
| 13/04/2017              | CRE CFE CCC Huinala                       | 279.3021         |
| 14/04/2017              | CRE CFE CCC Huinala                       | 277.7171         |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

| Fecha y Hora     | Temperatura de rocío de hidrocarburos |
|------------------|---------------------------------------|
| 01/04/2017 09:00 | 274.5405                              |
| 01/04/2017 10:00 | 274.9212                              |
| 01/04/2017 11:00 | 274.6259                              |
| 01/04/2017 12:00 | 275.1324                              |
| 01/04/2017 13:00 | 276.8187                              |
| 01/04/2017 14:00 | 277.1888                              |
| 01/04/2017 15:00 | 278.2174                              |
| 01/04/2017 16:00 | 279.2019                              |
| 01/04/2017 17:00 | 280.1382                              |
| 01/04/2017 18:00 | 280.6538                              |
| 01/04/2017 19:00 | 281.0388                              |
| 01/04/2017 20:00 | 280.6133                              |
| 01/04/2017 21:00 | 280.3339                              |
| 01/04/2017 22:00 | 279.8859                              |
| 01/04/2017 23:00 | 279.1635                              |
| 02/04/2017 00:00 | 277.7391                              |
| 02/04/2017 01:00 | 277.4759                              |
| 02/04/2017 03:00 | 277.5231                              |
| 02/04/2017 04:00 | 276.6874                              |
| 02/04/2017 05:00 | 276.2381                              |
| 02/04/2017 06:00 | 275.8622                              |
| 02/04/2017 07:00 | 275.4465                              |
| 02/04/2017 08:00 | 275.0563                              |

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|------------------|----------|
| 02/04/2017 09:00 | 274.897  |
| 02/04/2017 10:00 | 274.7466 |
| 02/04/2017 11:00 | 275.4187 |
| 02/04/2017 12:00 | 276.0621 |
| 02/04/2017 13:00 | 276.2775 |
| 02/04/2017 14:00 | 276.8585 |
| 02/04/2017 15:00 | 277.4415 |
| 02/04/2017 16:00 | 277.6381 |
| 02/04/2017 17:00 | 279.1341 |
| 02/04/2017 18:00 | 279.675  |
| 02/04/2017 19:00 | 279.6927 |
| 02/04/2017 20:00 | 279.5655 |
| 02/04/2017 21:00 | 279.1306 |
| 02/04/2017 22:00 | 278.339  |
| 02/04/2017 23:00 | 278.2172 |
| 03/04/2017 00:00 | 276.9608 |
| 03/04/2017 01:00 | 275.7742 |
| 03/04/2017 02:00 | 275.21   |
| 03/04/2017 03:00 | 274.5457 |
| 03/04/2017 04:00 | 273.9692 |
| 03/04/2017 05:00 | 273.0577 |
| 03/04/2017 06:00 | 272.5258 |
| 03/04/2017 07:00 | 272.2452 |
| 03/04/2017 08:00 | 272.5823 |
| 03/04/2017 09:00 | 272.5538 |
| 03/04/2017 10:00 | 273.1427 |
| 03/04/2017 11:00 | 272.297  |
| 03/04/2017 12:00 | 273.2947 |
| 03/04/2017 13:00 | 273.3784 |
| 03/04/2017 14:00 | 273.8663 |
| 03/04/2017 15:00 | 275.4802 |
| 03/04/2017 16:00 | 276.6825 |
| 03/04/2017 17:00 | 277.4299 |
| 03/04/2017 18:00 | 278.4029 |
| 03/04/2017 19:00 | 278.8075 |
| 03/04/2017 20:00 | 279.2654 |
| 03/04/2017 21:00 | 279.6515 |
| 03/04/2017 22:00 | 279.4402 |
| 03/04/2017 23:00 | 278.5013 |
| 04/04/2017 00:00 | 278.2784 |
| 04/04/2017 01:00 | 277.7079 |
| 04/04/2017 02:00 | 276.5578 |
| 04/04/2017 03:00 | 275.8794 |
| 04/04/2017 04:00 | 275.092  |
| 04/04/2017 05:00 | 274.1429 |
| 04/04/2017 06:00 | 273.4278 |
| 04/04/2017 07:00 | 272.9529 |
| 04/04/2017 08:00 | 272.7058 |
| 04/04/2017 09:00 | 272.5496 |
| 04/04/2017 10:00 | 273.3856 |
| 04/04/2017 11:00 | 273.8207 |
| 04/04/2017 12:00 | 273.8624 |
| 04/04/2017 13:00 | 274.4326 |
| 04/04/2017 14:00 | 274.8098 |
| 04/04/2017 15:00 | 276.9194 |
| 04/04/2017 16:00 | 277.3798 |
| 04/04/2017 17:00 | 278.8752 |
| 04/04/2017 18:00 | 279.6733 |
| 04/04/2017 19:00 | 279.982  |
| 04/04/2017 20:00 | 280.4689 |
| 04/04/2017 21:00 | 280.3776 |
| 04/04/2017 22:00 | 279.9726 |
| 04/04/2017 23:00 | 279.5607 |
| 05/04/2017 00:00 | 278.9214 |
| 05/04/2017 01:00 | 277.9872 |
| 05/04/2017 02:00 | 277.6912 |
| 05/04/2017 03:00 | 276.6829 |
| 05/04/2017 04:00 | 276.1434 |
| 05/04/2017 05:00 | 275.3454 |

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| 05/04/2017 06:00 | 276.464  |
| 05/04/2017 07:00 | 275.8796 |
| 05/04/2017 08:00 | 275.333  |
| 05/04/2017 09:00 | 276.1853 |
| 05/04/2017 10:00 | 275.5924 |
| 05/04/2017 11:00 | 275.4773 |
| 05/04/2017 12:00 | 275.5673 |
| 05/04/2017 13:00 | 275.9702 |
| 05/04/2017 14:00 | 275.8196 |
| 05/04/2017 15:00 | 276.6128 |
| 05/04/2017 16:00 | 277.0615 |
| 05/04/2017 17:00 | 277.1178 |
| 05/04/2017 18:00 | 278.0052 |
| 05/04/2017 19:00 | 278.3897 |
| 05/04/2017 20:00 | 278.4805 |
| 05/04/2017 21:00 | 278.2238 |
| 05/04/2017 22:00 | 277.8808 |
| 05/04/2017 23:00 | 277.3529 |
| 06/04/2017 00:00 | 276.5102 |
| 06/04/2017 01:00 | 276.0247 |
| 06/04/2017 02:00 | 275.0271 |
| 06/04/2017 03:00 | 274.6884 |
| 06/04/2017 04:00 | 273.8255 |
| 06/04/2017 05:00 | 273.3549 |
| 06/04/2017 06:00 | 272.7363 |
| 06/04/2017 07:00 | 272.401  |
| 06/04/2017 08:00 | 272.2163 |
| 06/04/2017 09:00 | 272.6149 |
| 06/04/2017 10:00 | 272.9406 |
| 06/04/2017 11:00 | 273.2541 |
| 06/04/2017 12:00 | 273.6382 |
| 06/04/2017 13:00 | 274.3248 |
| 06/04/2017 14:00 | 274.5816 |
| 06/04/2017 15:00 | 275.1337 |
| 06/04/2017 16:00 | 276.1306 |
| 06/04/2017 17:00 | 276.9101 |
| 06/04/2017 18:00 | 277.5806 |
| 06/04/2017 19:00 | 278.3662 |
| 06/04/2017 20:00 | 278.4744 |
| 06/04/2017 21:00 | 278.7067 |
| 06/04/2017 22:00 | 278.1268 |
| 06/04/2017 23:00 | 277.2162 |
| 07/04/2017 00:00 | 276.6876 |
| 07/04/2017 01:00 | 276.3381 |
| 07/04/2017 02:00 | 275.2692 |
| 07/04/2017 03:00 | 275.0607 |
| 07/04/2017 04:00 | 274.5167 |
| 07/04/2017 05:00 | 274.4008 |
| 07/04/2017 06:00 | 273.9964 |
| 07/04/2017 07:00 | 274.1391 |
| 07/04/2017 08:00 | 273.8953 |
| 07/04/2017 09:00 | 273.7759 |
| 07/04/2017 10:00 | 273.8588 |
| 07/04/2017 11:00 | 273.9731 |
| 07/04/2017 12:00 | 274.0515 |
| 07/04/2017 13:00 | 274.475  |
| 07/04/2017 14:00 | 274.2953 |
| 07/04/2017 15:00 | 274.8441 |
| 07/04/2017 16:00 | 275.6334 |
| 07/04/2017 17:00 | 276.4575 |
| 07/04/2017 18:00 | 276.7911 |
| 07/04/2017 19:00 | 276.8426 |
| 07/04/2017 20:00 | 277.3807 |
| 07/04/2017 21:00 | 277.4009 |
| 07/04/2017 22:00 | 277.6995 |
| 07/04/2017 23:00 | 276.5912 |
| 08/04/2017 00:00 | 277.2136 |
| 08/04/2017 01:00 | 276.5134 |
| 08/04/2017 02:00 | 276.769  |

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| 08/04/2017 03:00 | 276.2397 |
| 08/04/2017 04:00 | 276.1011 |
| 08/04/2017 05:00 | 275.55   |
| 08/04/2017 06:00 | 275.5298 |
| 08/04/2017 07:00 | 275.4946 |
| 08/04/2017 08:00 | 277.8715 |
| 08/04/2017 09:00 | 277.8466 |
| 08/04/2017 10:00 | 277.9868 |
| 08/04/2017 11:00 | 277.9949 |
| 08/04/2017 12:00 | 278.256  |
| 08/04/2017 13:00 | 278.138  |
| 08/04/2017 14:00 | 278.4554 |
| 08/04/2017 15:00 | 277.8138 |
| 08/04/2017 16:00 | 278.2493 |
| 08/04/2017 17:00 | 278.4504 |
| 08/04/2017 18:00 | 278.5578 |
| 08/04/2017 19:00 | 279.5208 |
| 08/04/2017 20:00 | 279.4933 |
| 08/04/2017 21:00 | 278.3658 |
| 08/04/2017 22:00 | 279.6594 |
| 08/04/2017 23:00 | 280.8603 |
| 09/04/2017 00:00 | 278.3479 |
| 09/04/2017 01:00 | 276.3452 |
| 09/04/2017 02:00 | 275.8941 |
| 09/04/2017 03:00 | 275.9928 |
| 09/04/2017 04:00 | 276.7551 |
| 09/04/2017 05:00 | 277.6658 |
| 09/04/2017 06:00 | 277.1907 |
| 09/04/2017 07:00 | 277.4146 |
| 09/04/2017 08:00 | 277.0307 |
| 09/04/2017 09:00 | 277.4774 |
| 09/04/2017 10:00 | 276.4642 |
| 09/04/2017 11:00 | 276.9688 |
| 09/04/2017 12:00 | 276.4191 |
| 09/04/2017 13:00 | 277.4753 |
| 09/04/2017 14:00 | 277.6334 |
| 09/04/2017 15:00 | 277.0706 |
| 09/04/2017 16:00 | 276.846  |
| 09/04/2017 17:00 | 276.777  |
| 09/04/2017 18:00 | 276.6182 |
| 09/04/2017 19:00 | 277.2719 |
| 09/04/2017 20:00 | 277.3014 |
| 09/04/2017 21:00 | 277.1221 |
| 09/04/2017 22:00 | 277.7147 |
| 09/04/2017 23:00 | 278.5076 |
| 10/04/2017 00:00 | 278.007  |
| 10/04/2017 01:00 | 278.5943 |
| 10/04/2017 02:00 | 278.5182 |
| 10/04/2017 03:00 | 276.7636 |
| 10/04/2017 04:00 | 276.6737 |
| 10/04/2017 05:00 | 277.2619 |
| 10/04/2017 06:00 | 277.7287 |
| 10/04/2017 07:00 | 277.8261 |
| 10/04/2017 08:00 | 277.5207 |
| 10/04/2017 09:00 | 276.6085 |
| 10/04/2017 10:00 | 277.0973 |
| 10/04/2017 11:00 | 277.1509 |
| 10/04/2017 12:00 | 276.9651 |
| 10/04/2017 13:00 | 276.4046 |
| 10/04/2017 14:00 | 277.1882 |
| 10/04/2017 15:00 | 276.665  |
| 10/04/2017 16:00 | 276.6748 |
| 10/04/2017 17:00 | 276.7669 |
| 10/04/2017 18:00 | 276.4236 |
| 10/04/2017 19:00 | 276.4645 |
| 10/04/2017 20:00 | 276.4461 |
| 10/04/2017 21:00 | 276.6893 |
| 10/04/2017 22:00 | 277.5352 |
| 10/04/2017 23:00 | 277.3883 |

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| 11/04/2017 00:00 | 277.7511 |
| 11/04/2017 01:00 | 277.7271 |
| 11/04/2017 02:00 | 277.929  |
| 11/04/2017 03:00 | 277.6841 |
| 11/04/2017 04:00 | 277.1984 |
| 11/04/2017 05:00 | 277.2322 |
| 11/04/2017 06:00 | 276.4775 |
| 11/04/2017 07:00 | 277.5389 |
| 11/04/2017 08:00 | 277.9576 |
| 11/04/2017 09:00 | 278.0854 |
| 11/04/2017 10:00 | 278.7483 |
| 11/04/2017 11:00 | 277.446  |
| 11/04/2017 12:00 | 277.2853 |
| 11/04/2017 13:00 | 277.9809 |
| 11/04/2017 14:00 | 278.3615 |
| 11/04/2017 15:00 | 278.2263 |
| 11/04/2017 16:00 | 277.9079 |
| 11/04/2017 17:00 | 278.004  |
| 11/04/2017 18:00 | 277.8962 |
| 11/04/2017 19:00 | 277.6857 |
| 11/04/2017 20:00 | 277.7007 |
| 11/04/2017 21:00 | 277.8862 |
| 11/04/2017 22:00 | 277.6406 |
| 11/04/2017 23:00 | 276.7874 |
| 12/04/2017 00:00 | 276.5464 |
| 12/04/2017 01:00 | 276.3446 |
| 12/04/2017 02:00 | 276.291  |
| 12/04/2017 03:00 | 278.2058 |
| 12/04/2017 04:00 | 279.9302 |
| 12/04/2017 05:00 | 279.4577 |
| 12/04/2017 06:00 | 280.2968 |
| 12/04/2017 07:00 | 280.5237 |
| 12/04/2017 08:00 | 280.1071 |
| 12/04/2017 09:00 | 280.7864 |
| 12/04/2017 10:00 | 281.1837 |
| 12/04/2017 11:00 | 281.3061 |
| 12/04/2017 12:00 | 280.554  |
| 12/04/2017 13:00 | 280.4011 |
| 12/04/2017 14:00 | 282.1798 |
| 12/04/2017 15:00 | 281.5059 |
| 12/04/2017 16:00 | 279.8    |
| 12/04/2017 17:00 | 279.4711 |
| 12/04/2017 18:00 | 279.538  |
| 12/04/2017 19:00 | 279.2845 |
| 12/04/2017 20:00 | 279.3613 |
| 12/04/2017 21:00 | 279.5863 |
| 12/04/2017 22:00 | 279.6512 |
| 12/04/2017 23:00 | 279.3494 |
| 13/04/2017 00:00 | 279.857  |
| 13/04/2017 01:00 | 279.5417 |
| 13/04/2017 02:00 | 280.129  |
| 13/04/2017 03:00 | 279.8808 |
| 13/04/2017 04:00 | 279.4519 |
| 13/04/2017 05:00 | 279.3933 |
| 13/04/2017 06:00 | 279.9594 |
| 13/04/2017 07:00 | 283.2841 |
| 13/04/2017 08:00 | 281.4296 |
| 13/04/2017 09:00 | 279.4552 |
| 13/04/2017 10:00 | 279.0622 |
| 13/04/2017 11:00 | 278.7045 |
| 13/04/2017 12:00 | 278.7078 |
| 13/04/2017 13:00 | 278.8716 |
| 13/04/2017 14:00 | 279.8227 |
| 13/04/2017 15:00 | 280.5708 |
| 13/04/2017 16:00 | 280.2235 |
| 13/04/2017 17:00 | 279.9088 |
| 13/04/2017 18:00 | 280.0523 |
| 13/04/2017 19:00 | 280.5359 |
| 13/04/2017 20:00 | 280.6707 |

|                  |          |
|------------------|----------|
| 13/04/2017 21:00 | 281.0821 |
| 13/04/2017 22:00 | 280.7754 |
| 13/04/2017 23:00 | 280.2985 |
| 14/04/2017 00:00 | 278.3316 |
| 14/04/2017 01:00 | 277.7593 |
| 14/04/2017 02:00 | 277.706  |
| 14/04/2017 03:00 | 277.8858 |
| 14/04/2017 04:00 | 278.1068 |
| 14/04/2017 05:00 | 278.1991 |
| 14/04/2017 06:00 | 278.9148 |
| 14/04/2017 07:00 | 278.7001 |
| 14/04/2017 08:00 | 278.9045 |
| 14/04/2017 09:00 | 278.3789 |
| 14/04/2017 10:00 | 278.4349 |
| 14/04/2017 11:00 | 278.9924 |
| 14/04/2017 12:00 | 279.1831 |
| 14/04/2017 13:00 | 278.72   |
| 14/04/2017 14:00 | 277.4534 |
| 14/04/2017 15:00 | 278.7564 |
| 14/04/2017 16:00 | 278.6705 |
| 14/04/2017 17:00 | 278.4701 |
| 14/04/2017 18:00 | 277.7848 |
| 14/04/2017 19:00 | 276.7571 |
| 14/04/2017 20:00 | 276.6997 |
| 14/04/2017 21:00 | 276.8438 |
| 14/04/2017 22:00 | 277.0554 |
| 14/04/2017 23:00 | 276.5425 |
| 15/04/2017 00:00 | 276.559  |
| 15/04/2017 01:00 | 279.1304 |
| 15/04/2017 02:00 | 278.782  |
| 15/04/2017 03:00 | 277.8977 |
| 15/04/2017 04:00 | 277.2695 |
| 15/04/2017 05:00 | 276.7368 |
| 15/04/2017 06:00 | 276.6981 |
| 15/04/2017 07:00 | 276.5912 |
| 15/04/2017 08:00 | 276.8021 |

### REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

**PARAMETRO FUERA DE ESPECIFICACIÓN:**
**ZONA:**
**SUR**

| Metano (CH4)<br>% vol<br>( 83.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno (N2)<br>% vol<br>( 8.0000 )<br>Desv. máxima:<br>1.5000 | Bióxido de Carbono (CO2)<br>%vol<br>( 3.0000 ) | Total de inertes (CO2 y N2)<br>% vol<br>( 6.0000 ) | Poder calorífico MJ/m3<br>( 36.8000 - 43.6000 ) | Índice Wobbe MJ/m3<br>( 47.3000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío de hidrocarburos K(°C)<br>( 271.1500 ) | Humedad mg/m3<br>( 110.0000 ) | Acido sulfhídrico (H2S) mg/m3<br>( 6.0000 ) |
|--------------------------------------|-------------------------------|--|--|--|---|--|---|-------------------------------|---|
| % C1                                 | %C2                           | N2   | CO2  | CO2+N2   | Poder Calorifico                                | I. Woobe   | HCDP  | H2O                           | H2S   |
|                                      |                               |  |  |  |   |  | X   |                               |   |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**
**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de Especificación | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|--|---|------------------|
| 11/04/2017                             | CRE 8 Apodaca                             | <b>273.2912</b>  |
| 12/04/2017                             | CRE 8 Apodaca                             | <b>273.7015</b>  |
| 13/04/2017                             | CRE 8 Apodaca                             | <b>274.8257</b>  |
| 14/04/2017                             | CRE 8 Apodaca                             | <b>272.618</b>   |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

| Fecha y Hora     | Temperatura de rocío de hidrocarburos |
|------------------|---------------------------------------|
| 11/04/2017 09:00 | 269.377                               |
| 11/04/2017 10:00 | 272.8195                              |
| 11/04/2017 11:00 | 268.1358                              |
| 11/04/2017 12:00 | 273.3667                              |
| 11/04/2017 13:00 | 272.8435                              |
| 11/04/2017 14:00 | 272.7132                              |
| 11/04/2017 15:00 | 273.2231                              |
| 11/04/2017 16:00 | 273.0275                              |
| 11/04/2017 17:00 | 272.9374                              |
| 11/04/2017 18:00 | 272.7863                              |
| 11/04/2017 19:00 | 272.1257                              |
| 11/04/2017 20:00 | 271.9231                              |
| 11/04/2017 21:00 | 271.4166                              |
| 11/04/2017 22:00 | 271.0486                              |
| 11/04/2017 23:00 | 270.3817                              |
| 12/04/2017 00:00 | 280.4981                              |
| 12/04/2017 01:00 | 282.9694                              |
| 12/04/2017 02:00 | 273.4136                              |
| 12/04/2017 03:00 | 278.6603                              |
| 12/04/2017 04:00 | 274.5692                              |
| 12/04/2017 05:00 | 271.8131                              |
| 12/04/2017 06:00 | 272.6767                              |
| 12/04/2017 07:00 | 272.0176                              |
| 12/04/2017 08:00 | 274.2458                              |
| 12/04/2017 09:00 | 268.7584                              |
| 12/04/2017 10:00 | 274.5932                              |
| 12/04/2017 11:00 | 274.2278                              |
| 12/04/2017 12:00 | 274.6062                              |
| 12/04/2017 13:00 | 269.5344                              |
| 12/04/2017 14:00 | 276.5412                              |
| 12/04/2017 15:00 | 274.4073                              |
| 12/04/2017 16:00 | 273.4429                              |
| 12/04/2017 17:00 | 272.5805                              |
| 12/04/2017 18:00 | 271.5733                              |
| 12/04/2017 19:00 | 272.4782                              |



|                  |          |
|------------------|----------|
| 12/04/2017 20:00 | 272.0127 |
| 12/04/2017 21:00 | 272.0873 |
| 12/04/2017 22:00 | 273.7471 |
| 12/04/2017 23:00 | 272.6411 |
| 13/04/2017 00:00 | 274.834  |
| 13/04/2017 01:00 | 273.7904 |
| 13/04/2017 02:00 | 275.7873 |
| 13/04/2017 03:00 | 274.4429 |
| 13/04/2017 04:00 | 274.0642 |
| 13/04/2017 05:00 | 274.8347 |
| 13/04/2017 06:00 | 274.9301 |
| 13/04/2017 07:00 | 277.4625 |
| 13/04/2017 08:00 | 275.4575 |
| 13/04/2017 09:00 | 271.0912 |
| 13/04/2017 10:00 | 273.8281 |
| 13/04/2017 11:00 | 275.5492 |
| 13/04/2017 12:00 | 269.3147 |
| 13/04/2017 13:00 | 273.7548 |
| 13/04/2017 14:00 | 275.4096 |
| 13/04/2017 15:00 | 276.3691 |
| 13/04/2017 16:00 | 279.5469 |
| 13/04/2017 17:00 | 285.4135 |
| 13/04/2017 18:00 | 276.9294 |
| 13/04/2017 19:00 | 275.1979 |
| 13/04/2017 20:00 | 276.6163 |
| 13/04/2017 21:00 | 277.1241 |
| 13/04/2017 22:00 | 276.4823 |
| 13/04/2017 23:00 | 275.7796 |
| 14/04/2017 00:00 | 270.4952 |
| 14/04/2017 01:00 | 273.4503 |
| 14/04/2017 02:00 | 273.8144 |
| 14/04/2017 03:00 | 272.1068 |
| 14/04/2017 04:00 | 272.7857 |
| 14/04/2017 05:00 | 272.9609 |
| 14/04/2017 06:00 | 273.352  |
| 14/04/2017 07:00 | 273.9108 |
| 14/04/2017 08:00 | 274.5345 |
| 14/04/2017 09:00 | 272.1376 |
| 14/04/2017 10:00 | 274.4988 |
| 14/04/2017 11:00 | 275.754  |
| 14/04/2017 12:00 | 275.4601 |
| 14/04/2017 13:00 | 273.8743 |
| 14/04/2017 14:00 | 273.8614 |
| 14/04/2017 15:00 | 274.3498 |
| 14/04/2017 16:00 | 273.4871 |
| 14/04/2017 17:00 | 273.3351 |
| 14/04/2017 18:00 | 271.5125 |
| 14/04/2017 19:00 | 270.5736 |
| 14/04/2017 20:00 | 270.7869 |
| 14/04/2017 21:00 | 271.1106 |
| 14/04/2017 22:00 | 270.465  |
| 14/04/2017 23:00 | 269.6249 |
| 15/04/2017 00:00 | 270.7475 |
| 15/04/2017 01:00 | 274.0779 |
| 15/04/2017 02:00 | 273.9187 |
| 15/04/2017 03:00 | 273.0296 |
| 15/04/2017 04:00 | 272.5441 |
| 15/04/2017 05:00 | 272.4283 |
| 15/04/2017 06:00 | 271.7322 |
| 15/04/2017 07:00 | 271.0203 |
| 15/04/2017 08:00 | 272.5012 |

**REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN**

Fecha Inicio:

PARAMETRO FUERA DE ESPECIFICACIÓN:

ZONA:

RESTO DEL PAIS

| Metano (CH4)<br>% vol<br>( 84.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno (N2)<br>% vol<br>( 4.0000 )<br>Desv. máxima: | Bióxido de Carbono (CO2)<br>%vol<br>( 3.0000 ) | Total de inertes (CO2 y N2)<br>% vol<br>( 4.0000 ) | Poder calorífico<br>MJ/m3<br>( 37.3000 - 43.6000 ) | Índice Wobbe<br>MJ/m3<br>( 48.2000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío de hidrocarburos<br>K(°C)<br>( 271.1500 ) | Humedad<br>mg/m3<br>( 110.0000 ) | Acido sulfhídrico (H2S)<br>mg/m3<br>( 6.0000 ) |
|--------------------------------------|-------------------------------|--|--|--|--|---|--|----------------------------------|--|
| % C1                                 | %C2                           | N2   | CO2  | CO2+N2   | Poder Calorífico                                   | I. Woobe  | HCDP   | H2O                              | H2S  |
|                                      |                               |  |  |  |  |   | X  |                                  |  |

A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO

B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES

| Fecha de Flujo Fuera de | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|-------------------------|---|------------------|
| 01/04/2017              | CRE 9 Red Monclova                        | 281.0466         |
| 02/04/2017              | CRE 9 Red Monclova                        | 285.2394         |
| 03/04/2017              | CRE 9 Red Monclova                        | 285.1628         |
| 04/04/2017              | CRE 9 Red Monclova                        | 281.7828         |
| 05/04/2017              | CRE 9 Red Monclova                        | 274.1787         |
| 06/04/2017              | CRE 9 Red Monclova                        | 272.8182         |
| 08/04/2017              | CRE 9 Red Monclova                        | 275.3914         |
| 09/04/2017              | CRE 9 Red Monclova                        | 285.6556         |
| 10/04/2017              | CRE 9 Red Monclova                        | 283.3547         |
| 11/04/2017              | CRE 9 Red Monclova                        | 284.1498         |
| 12/04/2017              | CRE 9 Red Monclova                        | 283.1522         |
| 13/04/2017              | CRE 9 Red Monclova                        | 283.7316         |
| 14/04/2017              | CRE 9 Red Monclova                        | 286.4406         |

C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.

| Fecha y Hora     | Temperatura de rocío de hidrocarburo |
|------------------|--------------------------------------|
| 01/04/2017 09:00 | 281.3556                             |
| 01/04/2017 10:00 | 280.4261                             |
| 01/04/2017 11:00 | 279.7405                             |
| 01/04/2017 12:00 | 280.0311                             |
| 01/04/2017 13:00 | 279.7875                             |
| 01/04/2017 14:00 | 280.0699                             |
| 01/04/2017 15:00 | 280.4951                             |
| 01/04/2017 16:00 | 280.596                              |
| 01/04/2017 17:00 | 280.8852                             |
| 01/04/2017 18:00 | 280.3111                             |
| 01/04/2017 19:00 | 280.1893                             |
| 01/04/2017 20:00 | 279.1155                             |
| 01/04/2017 21:00 | 280.3603                             |
| 01/04/2017 22:00 | 280.8461                             |
| 01/04/2017 23:00 | 280.5968                             |
| 02/04/2017 00:00 | 280.3626                             |
| 02/04/2017 01:00 | 280.2747                             |
| 02/04/2017 03:00 | 281.7874                             |
| 02/04/2017 04:00 | 282.6813                             |
| 02/04/2017 05:00 | 282.7564                             |
| 02/04/2017 06:00 | 283.3847                             |
| 02/04/2017 07:00 | 284.0227                             |
| 02/04/2017 08:00 | 283.9966                             |
| 02/04/2017 09:00 | 283.786                              |
| 02/04/2017 10:00 | 283.4633                             |
| 02/04/2017 11:00 | 283.6178                             |
| 02/04/2017 12:00 | 284.7008                             |
| 02/04/2017 13:00 | 283.6168                             |
| 02/04/2017 14:00 | 284.0206                             |
| 02/04/2017 15:00 | 282.9071                             |

|                  |          |
|------------------|----------|
| 02/04/2017 16:00 | 285.4023 |
| 02/04/2017 17:00 | 286.2442 |
| 02/04/2017 18:00 | 287.069  |
| 02/04/2017 19:00 | 286.8982 |
| 02/04/2017 20:00 | 285.7213 |
| 02/04/2017 21:00 | 286.1227 |
| 02/04/2017 22:00 | 286.4566 |
| 02/04/2017 23:00 | 286.086  |
| 03/04/2017 00:00 | 285.8459 |
| 03/04/2017 01:00 | 285.304  |
| 03/04/2017 02:00 | 285.593  |
| 03/04/2017 03:00 | 285.5437 |
| 03/04/2017 04:00 | 285.6851 |
| 03/04/2017 05:00 | 285.9727 |
| 03/04/2017 06:00 | 285.9799 |
| 03/04/2017 07:00 | 285.498  |
| 03/04/2017 08:00 | 284.2099 |
| 03/04/2017 09:00 | 283.675  |
| 03/04/2017 10:00 | 283.4831 |
| 03/04/2017 11:00 | 283.5937 |
| 03/04/2017 12:00 | 284.2954 |
| 03/04/2017 13:00 | 284.6401 |
| 03/04/2017 14:00 | 284.2421 |
| 03/04/2017 15:00 | 285.4268 |
| 03/04/2017 16:00 | 285.0763 |
| 03/04/2017 17:00 | 284.3543 |
| 03/04/2017 18:00 | 285.3695 |
| 03/04/2017 19:00 | 286.5322 |
| 03/04/2017 20:00 | 286.7325 |
| 03/04/2017 21:00 | 286.766  |
| 03/04/2017 22:00 | 286.6453 |
| 03/04/2017 23:00 | 286.5729 |
| 04/04/2017 00:00 | 286.0929 |
| 04/04/2017 01:00 | 286.0687 |
| 04/04/2017 02:00 | 286.8658 |
| 04/04/2017 03:00 | 286.3141 |
| 04/04/2017 04:00 | 285.8609 |
| 04/04/2017 05:00 | 283.8771 |
| 04/04/2017 06:00 | 284.1169 |
| 04/04/2017 07:00 | 283.7665 |
| 04/04/2017 08:00 | 283.5396 |
| 04/04/2017 09:00 | 282.6248 |
| 04/04/2017 10:00 | 280.7464 |
| 04/04/2017 11:00 | 281.6918 |
| 04/04/2017 12:00 | 282.6428 |
| 04/04/2017 13:00 | 281.5039 |
| 04/04/2017 14:00 | 282.2759 |
| 04/04/2017 15:00 | 281.5686 |
| 04/04/2017 16:00 | 281.6663 |
| 04/04/2017 17:00 | 281.497  |
| 04/04/2017 18:00 | 281.6127 |
| 04/04/2017 19:00 | 282.9817 |
| 04/04/2017 20:00 | 283.1366 |
| 04/04/2017 21:00 | 283.1785 |
| 04/04/2017 22:00 | 283.0594 |
| 04/04/2017 23:00 | 282.7974 |
| 05/04/2017 00:00 | 283.4645 |
| 05/04/2017 01:00 | 283.3641 |
| 05/04/2017 02:00 | 283.1103 |
| 05/04/2017 03:00 | 282.9211 |
| 05/04/2017 04:00 | 283.772  |
| 05/04/2017 05:00 | 280.9821 |
| 05/04/2017 06:00 | 278.8705 |
| 05/04/2017 07:00 | 277.1013 |
| 05/04/2017 08:00 | 276.2186 |
| 05/04/2017 09:00 | 277.3928 |
| 05/04/2017 10:00 | 276.6303 |
| 05/04/2017 11:00 | 275.9841 |
| 05/04/2017 12:00 | 276.2455 |
| 05/04/2017 13:00 | 275.1469 |
| 05/04/2017 14:00 | 274.0571 |
| 05/04/2017 15:00 | 274.3505 |

|                  |          |
|------------------|----------|
| 05/04/2017 16:00 | 274.8576 |
| 05/04/2017 17:00 | 274.9296 |
| 05/04/2017 18:00 | 276.2849 |
| 05/04/2017 19:00 | 276.3269 |
| 05/04/2017 20:00 | 276.8553 |
| 05/04/2017 21:00 | 276.5395 |
| 05/04/2017 22:00 | 276.0502 |
| 05/04/2017 23:00 | 274.083  |
| 06/04/2017 00:00 | 273.22   |
| 06/04/2017 01:00 | 273.6888 |
| 06/04/2017 02:00 | 274.9376 |
| 06/04/2017 03:00 | 272.5984 |
| 06/04/2017 04:00 | 270.6243 |
| 06/04/2017 05:00 | 270.4781 |
| 06/04/2017 06:00 | 270.0273 |
| 06/04/2017 07:00 | 269.5715 |
| 06/04/2017 08:00 | 269.4097 |
| 06/04/2017 09:00 | 270.4579 |
| 06/04/2017 10:00 | 272.65   |
| 06/04/2017 11:00 | 270.5629 |
| 06/04/2017 12:00 | 268.7094 |
| 06/04/2017 13:00 | 269.453  |
| 06/04/2017 14:00 | 270.264  |
| 06/04/2017 15:00 | 270.4211 |
| 06/04/2017 16:00 | 269.1393 |
| 06/04/2017 17:00 | 269.405  |
| 06/04/2017 18:00 | 275.2806 |
| 06/04/2017 19:00 | 273.9675 |
| 06/04/2017 20:00 | 273.5858 |
| 06/04/2017 21:00 | 273.1968 |
| 06/04/2017 22:00 | 273.478  |
| 06/04/2017 23:00 | 276.174  |
| 07/04/2017 00:00 | 276.5818 |
| 07/04/2017 01:00 | 276.0862 |
| 07/04/2017 02:00 | 275.6281 |
| 07/04/2017 03:00 | 275.1117 |
| 07/04/2017 04:00 | 273.5664 |
| 07/04/2017 05:00 | 272.6505 |
| 07/04/2017 06:00 | 273.1284 |
| 07/04/2017 07:00 | 275.4042 |
| 07/04/2017 08:00 | 272.7346 |
| 08/04/2017 09:00 | 274.1106 |
| 08/04/2017 10:00 | 274.289  |
| 08/04/2017 11:00 | 274.6498 |
| 08/04/2017 12:00 | 275.4245 |
| 08/04/2017 13:00 | 274.9922 |
| 08/04/2017 14:00 | 273.6148 |
| 08/04/2017 15:00 | 274.0238 |
| 08/04/2017 16:00 | 271.906  |
| 08/04/2017 17:00 | 274.6141 |
| 08/04/2017 18:00 | 273.0861 |
| 08/04/2017 19:00 | 273.3506 |
| 08/04/2017 20:00 | 273.9828 |
| 08/04/2017 21:00 | 274.7966 |
| 08/04/2017 22:00 | 274.6906 |
| 08/04/2017 23:00 | 275.037  |
| 09/04/2017 00:00 | 276.1307 |
| 09/04/2017 01:00 | 277.9589 |
| 09/04/2017 02:00 | 278.0434 |
| 09/04/2017 03:00 | 277.6116 |
| 09/04/2017 04:00 | 277.2655 |
| 09/04/2017 05:00 | 278.2429 |
| 09/04/2017 06:00 | 277.4241 |
| 09/04/2017 07:00 | 277.7567 |
| 09/04/2017 08:00 | 276.3909 |
| 09/04/2017 09:00 | 277.7331 |
| 09/04/2017 10:00 | 282.9118 |
| 09/04/2017 11:00 | 284.4192 |
| 09/04/2017 12:00 | 285.6415 |
| 09/04/2017 13:00 | 286.0198 |
| 09/04/2017 14:00 | 286.3607 |
| 09/04/2017 15:00 | 287.2751 |

|                  |          |
|------------------|----------|
| 09/04/2017 16:00 | 286.5781 |
| 09/04/2017 17:00 | 287.0161 |
| 09/04/2017 18:00 | 287.3458 |
| 09/04/2017 19:00 | 287.5143 |
| 09/04/2017 20:00 | 286.9385 |
| 09/04/2017 21:00 | 286.2365 |
| 09/04/2017 22:00 | 287.4607 |
| 09/04/2017 23:00 | 290.6054 |
| 10/04/2017 00:00 | 288.8756 |
| 10/04/2017 01:00 | 286.2624 |
| 10/04/2017 02:00 | 285.4828 |
| 10/04/2017 03:00 | 285.0296 |
| 10/04/2017 04:00 | 284.2154 |
| 10/04/2017 05:00 | 283.8077 |
| 10/04/2017 06:00 | 284.1156 |
| 10/04/2017 07:00 | 284.1326 |
| 10/04/2017 08:00 | 283.7564 |
| 10/04/2017 09:00 | 282.1938 |
| 10/04/2017 10:00 | 283.8908 |
| 10/04/2017 11:00 | 286.5969 |
| 10/04/2017 12:00 | 287.2663 |
| 10/04/2017 13:00 | 284.5078 |
| 10/04/2017 14:00 | 285.12   |
| 10/04/2017 15:00 | 284.8052 |
| 10/04/2017 16:00 | 285.6663 |
| 10/04/2017 17:00 | 283.8763 |
| 10/04/2017 18:00 | 283.8446 |
| 10/04/2017 19:00 | 282.9396 |
| 10/04/2017 20:00 | 281.6259 |
| 10/04/2017 21:00 | 281.8665 |
| 10/04/2017 22:00 | 280.8691 |
| 10/04/2017 23:00 | 282.8425 |
| 11/04/2017 00:00 | 281.185  |
| 11/04/2017 01:00 | 283.2635 |
| 11/04/2017 02:00 | 283.8072 |
| 11/04/2017 03:00 | 283.1266 |
| 11/04/2017 04:00 | 282.8179 |
| 11/04/2017 05:00 | 282.3357 |
| 11/04/2017 06:00 | 282.2616 |
| 11/04/2017 07:00 | 283.6093 |
| 11/04/2017 08:00 | 280.1954 |
| 11/04/2017 09:00 | 277.0347 |
| 11/04/2017 10:00 | 277.6692 |
| 11/04/2017 11:00 | 276.9083 |
| 11/04/2017 12:00 | 276.5741 |
| 11/04/2017 13:00 | 276.8855 |
| 11/04/2017 14:00 | 275.8564 |
| 11/04/2017 15:00 | 277.4268 |
| 11/04/2017 16:00 | 278.0998 |
| 11/04/2017 17:00 | 280.0212 |
| 11/04/2017 18:00 | 283.3054 |
| 11/04/2017 19:00 | 283.9385 |
| 11/04/2017 20:00 | 283.4513 |
| 11/04/2017 21:00 | 284.0344 |
| 11/04/2017 22:00 | 294.3005 |
| 11/04/2017 23:00 | 294.6997 |
| 12/04/2017 00:00 | 307.217  |
| 12/04/2017 01:00 | 299.0882 |
| 12/04/2017 02:00 | 284.0478 |
| 12/04/2017 03:00 | 283.2847 |
| 12/04/2017 04:00 | 283.3095 |
| 12/04/2017 05:00 | 283.8191 |
| 12/04/2017 06:00 | 287.2312 |
| 12/04/2017 07:00 | 286.0598 |
| 12/04/2017 08:00 | 285.3328 |
| 12/04/2017 09:00 | 283.9591 |
| 12/04/2017 10:00 | 284.1969 |
| 12/04/2017 11:00 | 284.6279 |
| 12/04/2017 12:00 | 283.7965 |
| 12/04/2017 13:00 | 282.4647 |
| 12/04/2017 14:00 | 282.416  |
| 12/04/2017 15:00 | 283.2891 |

|                  |          |
|------------------|----------|
| 12/04/2017 16:00 | 283.1944 |
| 12/04/2017 17:00 | 283.3479 |
| 12/04/2017 18:00 | 282.9234 |
| 12/04/2017 19:00 | 283.5993 |
| 12/04/2017 20:00 | 282.614  |
| 12/04/2017 21:00 | 282.2205 |
| 12/04/2017 22:00 | 282.2107 |
| 12/04/2017 23:00 | 282.3421 |
| 13/04/2017 00:00 | 281.5145 |
| 13/04/2017 01:00 | 282.8377 |
| 13/04/2017 02:00 | 281.8087 |
| 13/04/2017 03:00 | 282.1292 |
| 13/04/2017 04:00 | 283.0424 |
| 13/04/2017 05:00 | 284.0589 |
| 13/04/2017 06:00 | 284.0708 |
| 13/04/2017 07:00 | 284.5744 |
| 13/04/2017 08:00 | 284.4135 |
| 13/04/2017 09:00 | 283.803  |
| 13/04/2017 10:00 | 281.5253 |
| 13/04/2017 11:00 | 281.6989 |
| 13/04/2017 12:00 | 281.9857 |
| 13/04/2017 13:00 | 282.7707 |
| 13/04/2017 14:00 | 281.5432 |
| 13/04/2017 15:00 | 280.5519 |
| 13/04/2017 16:00 | 281.0661 |
| 13/04/2017 17:00 | 281.7783 |
| 13/04/2017 18:00 | 281.2527 |
| 13/04/2017 19:00 | 282.3731 |
| 13/04/2017 20:00 | 282.2956 |
| 13/04/2017 21:00 | 282.1295 |
| 13/04/2017 22:00 | 284.3819 |
| 13/04/2017 23:00 | 284.2081 |
| 14/04/2017 00:00 | 285.516  |
| 14/04/2017 01:00 | 286.6594 |
| 14/04/2017 02:00 | 286.3753 |
| 14/04/2017 03:00 | 285.743  |
| 14/04/2017 04:00 | 286.0149 |
| 14/04/2017 05:00 | 287.2466 |
| 14/04/2017 06:00 | 287.4365 |
| 14/04/2017 07:00 | 285.8834 |
| 14/04/2017 08:00 | 285.3191 |
| 14/04/2017 09:00 | 286.1254 |
| 14/04/2017 10:00 | 287.133  |
| 14/04/2017 11:00 | 287.6415 |
| 14/04/2017 12:00 | 288.2089 |
| 14/04/2017 13:00 | 287.2259 |
| 14/04/2017 14:00 | 287.0082 |
| 14/04/2017 15:00 | 287.1246 |
| 14/04/2017 16:00 | 287.2439 |
| 14/04/2017 17:00 | 288.3861 |
| 14/04/2017 18:00 | 288.8991 |
| 14/04/2017 19:00 | 288.7503 |
| 14/04/2017 20:00 | 288.5329 |
| 14/04/2017 21:00 | 287.5903 |
| 14/04/2017 22:00 | 286.3288 |
| 14/04/2017 23:00 | 285.3134 |
| 15/04/2017 00:00 | 285.0597 |
| 15/04/2017 01:00 | 285.015  |
| 15/04/2017 02:00 | 284.4752 |
| 15/04/2017 03:00 | 284.5132 |
| 15/04/2017 04:00 | 284.3851 |
| 15/04/2017 05:00 | 284.4905 |
| 15/04/2017 06:00 | 285.0146 |
| 15/04/2017 07:00 | 284.9243 |
| 15/04/2017 08:00 | 285.1834 |

**REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN**
**PARAMETRO FUERA DE ESPECIFICACIÓN:**
**ZONA:**
**RESTO DEL PAIS**

| Metano (CH4)<br>% vol<br>( 84.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno (N2)<br>% vol<br>( 4.0000 )<br>Desv. máxima:<br>1.5000 | Bióxido de Carbono (CO2)<br>%vol<br>( 3.0000 ) | Total de inertes (CO2 y N2)<br>% vol<br>( 4.0000 ) | Poder calorífico MJ/m3<br>( 37.3000 - 43.6000 ) | Índice Wobbe MJ/m3<br>( 48.2000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío de hidrocarburos K(°C)<br>( 271.1500 ) | Humedad mg/m3<br>( 110.0000 ) | Acido sulfhídrico (H2S)<br>mg/m3<br>( 6.0000 ) |
|--------------------------------------|-------------------------------|--|--|--|---|--|---|-------------------------------|--|
| % C1                                 | %C2                           | N2   | CO2  | CO2+N2   | Poder Calorífico                                | I. Woobe   | HCDP  | H2O                           | H2S  |
|                                      |                               |  |  |  |   |  | X   |                               |  |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**
**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de Especificación | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|--|---|------------------|
| 01/04/2017                             | 59 Kinder Morgan Reynosa                  | 272.1704         |
| 02/04/2017                             | 59 Kinder Morgan Reynosa                  | 274.1914         |
| 03/04/2017                             | 59 Kinder Morgan Reynosa                  | 272.094          |
| 04/04/2017                             | 59 Kinder Morgan Reynosa                  | 279.8356         |
| 05/04/2017                             | 59 Kinder Morgan Reynosa                  | 282.8134         |
| 06/04/2017                             | 59 Kinder Morgan Reynosa                  | 283.3698         |
| 07/04/2017                             | 59 Kinder Morgan Reynosa                  | 283.1674         |
| 08/04/2017                             | 59 Kinder Morgan Reynosa                  | 279.5274         |
| 09/04/2017                             | 59 Kinder Morgan Reynosa                  | 277.2847         |
| 12/04/2017                             | 59 Kinder Morgan Reynosa                  | 278.4272         |
| 13/04/2017                             | 59 Kinder Morgan Reynosa                  | 276.7419         |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

| Fecha y Hora     | Temperatura de rocío de |
|------------------|-------------------------|
| 01/04/2017 09:00 | 272.7644                |
| 01/04/2017 10:00 | 272.9888                |
| 01/04/2017 11:00 | 273.5028                |
| 01/04/2017 12:00 | 272.6616                |
| 01/04/2017 13:00 | 272.6534                |
| 01/04/2017 14:00 | 272.2511                |
| 01/04/2017 15:00 | 272.0989                |
| 01/04/2017 16:00 | 271.8324                |
| 01/04/2017 17:00 | 271.7459                |
| 01/04/2017 18:00 | 271.9898                |
| 01/04/2017 19:00 | 270.8242                |
| 01/04/2017 20:00 | 271.1096                |
| 01/04/2017 21:00 | 273.2658                |
| 01/04/2017 22:00 | 271.6625                |
| 01/04/2017 23:00 | 272.1644                |
| 02/04/2017 00:00 | 272.1674                |
| 02/04/2017 01:00 | 272.6075                |
| 02/04/2017 03:00 | 272.3241                |
| 02/04/2017 04:00 | 271.8841                |
| 02/04/2017 05:00 | 270.9317                |
| 02/04/2017 06:00 | 271.4137                |
| 02/04/2017 07:00 | 272.4031                |
| 02/04/2017 08:00 | 272.6715                |
| 02/04/2017 09:00 | 273.3069                |
| 02/04/2017 10:00 | 272.8126                |
| 02/04/2017 11:00 | 272.7791                |
| 02/04/2017 12:00 | 273.1957                |
| 02/04/2017 13:00 | 273.7245                |
| 02/04/2017 14:00 | 273.9877                |

|                  |          |
|------------------|----------|
| 02/04/2017 15:00 | 273.8638 |
| 02/04/2017 16:00 | 274.137  |
| 02/04/2017 17:00 | 274.2642 |
| 02/04/2017 18:00 | 274.1672 |
| 02/04/2017 19:00 | 273.0946 |
| 02/04/2017 20:00 | 274.7556 |
| 02/04/2017 21:00 | 274.202  |
| 02/04/2017 22:00 | 274.4627 |
| 02/04/2017 23:00 | 273.3982 |
| 03/04/2017 00:00 | 273.7198 |
| 03/04/2017 01:00 | 273.8894 |
| 03/04/2017 02:00 | 275.2261 |
| 03/04/2017 03:00 | 275.5405 |
| 03/04/2017 04:00 | 275.5737 |
| 03/04/2017 05:00 | 275.252  |
| 03/04/2017 06:00 | 275.7751 |
| 03/04/2017 07:00 | 275.4292 |
| 03/04/2017 08:00 | 274.036  |
| 03/04/2017 09:00 | 273.3878 |
| 03/04/2017 10:00 | 273.9942 |
| 03/04/2017 11:00 | 274.8748 |
| 03/04/2017 12:00 | 274.1754 |
| 03/04/2017 13:00 | 272.7212 |
| 03/04/2017 14:00 | 277.1913 |
| 03/04/2017 15:00 | 273.8902 |
| 03/04/2017 16:00 | 270.8589 |
| 03/04/2017 17:00 | 269.2329 |
| 03/04/2017 18:00 | 269.2464 |
| 03/04/2017 19:00 | 268.2754 |
| 03/04/2017 20:00 | 269.7079 |
| 03/04/2017 21:00 | 269.2399 |
| 03/04/2017 22:00 | 269.0851 |
| 03/04/2017 23:00 | 269.5946 |
| 04/04/2017 00:00 | 270.2588 |
| 04/04/2017 01:00 | 271.6063 |
| 04/04/2017 02:00 | 272.4544 |
| 04/04/2017 03:00 | 272.0566 |
| 04/04/2017 04:00 | 272.354  |
| 04/04/2017 05:00 | 273.4633 |
| 04/04/2017 06:00 | 273.9211 |
| 04/04/2017 07:00 | 273.7195 |
| 04/04/2017 08:00 | 274.9449 |
| 04/04/2017 09:00 | 276.2527 |
| 04/04/2017 10:00 | 276.1548 |
| 04/04/2017 11:00 | 276.8653 |
| 04/04/2017 12:00 | 276.2393 |
| 04/04/2017 13:00 | 276.6934 |
| 04/04/2017 14:00 | 277.7391 |
| 04/04/2017 15:00 | 277.5953 |
| 04/04/2017 16:00 | 276.8187 |
| 04/04/2017 17:00 | 276.9227 |
| 04/04/2017 18:00 | 280.5453 |
| 04/04/2017 19:00 | 281.752  |
| 04/04/2017 20:00 | 281.8041 |
| 04/04/2017 21:00 | 281.0367 |
| 04/04/2017 22:00 | 279.987  |
| 04/04/2017 23:00 | 279.7078 |
| 05/04/2017 00:00 | 280.7628 |
| 05/04/2017 01:00 | 282.6461 |
| 05/04/2017 02:00 | 284.1686 |
| 05/04/2017 03:00 | 284.2753 |
| 05/04/2017 04:00 | 281.7405 |
| 05/04/2017 05:00 | 281.9395 |
| 05/04/2017 06:00 | 280.1556 |
| 05/04/2017 07:00 | 282.0803 |
| 05/04/2017 08:00 | 282.1722 |
| 05/04/2017 09:00 | 281.663  |
| 05/04/2017 10:00 | 282.1045 |
| 05/04/2017 11:00 | 282.3401 |



|                  |          |
|------------------|----------|
| 05/04/2017 12:00 | 282.3612 |
| 05/04/2017 13:00 | 282.1362 |
| 05/04/2017 14:00 | 282.014  |
| 05/04/2017 15:00 | 283.0998 |
| 05/04/2017 16:00 | 281.5066 |
| 05/04/2017 17:00 | 282.0649 |
| 05/04/2017 18:00 | 281.6277 |
| 05/04/2017 19:00 | 280.7009 |
| 05/04/2017 20:00 | 280.8627 |
| 05/04/2017 21:00 | 281.3539 |
| 05/04/2017 22:00 | 281.8635 |
| 05/04/2017 23:00 | 282.2673 |
| 06/04/2017 00:00 | 282.7749 |
| 06/04/2017 01:00 | 283.6605 |
| 06/04/2017 02:00 | 283.7168 |
| 06/04/2017 03:00 | 284.4034 |
| 06/04/2017 04:00 | 284.4588 |
| 06/04/2017 05:00 | 284.6987 |
| 06/04/2017 06:00 | 285.3369 |
| 06/04/2017 07:00 | 285.5598 |
| 06/04/2017 08:00 | 284.9466 |
| 06/04/2017 09:00 | 284.6795 |
| 06/04/2017 10:00 | 284.3501 |
| 06/04/2017 11:00 | 284.1015 |
| 06/04/2017 12:00 | 283.7717 |
| 06/04/2017 13:00 | 283.5602 |
| 06/04/2017 14:00 | 282.5749 |
| 06/04/2017 15:00 | 282.8233 |
| 06/04/2017 16:00 | 282.7289 |
| 06/04/2017 17:00 | 282.4378 |
| 06/04/2017 18:00 | 282.9464 |
| 06/04/2017 19:00 | 282.1006 |
| 06/04/2017 20:00 | 281.9342 |
| 06/04/2017 21:00 | 281.804  |
| 06/04/2017 22:00 | 281.4789 |
| 06/04/2017 23:00 | 283.3651 |
| 07/04/2017 00:00 | 284.3131 |
| 07/04/2017 01:00 | 283.806  |
| 07/04/2017 02:00 | 283.9504 |
| 07/04/2017 03:00 | 283.7402 |
| 07/04/2017 04:00 | 284.2878 |
| 07/04/2017 05:00 | 284.1173 |
| 07/04/2017 06:00 | 283.9807 |
| 07/04/2017 07:00 | 283.8784 |
| 07/04/2017 08:00 | 284.1434 |
| 07/04/2017 09:00 | 282.9654 |
| 07/04/2017 10:00 | 283.2054 |
| 07/04/2017 11:00 | 283.5017 |
| 07/04/2017 12:00 | 283.6592 |
| 07/04/2017 13:00 | 282.4991 |
| 07/04/2017 14:00 | 281.9084 |
| 07/04/2017 15:00 | 281.8346 |
| 07/04/2017 16:00 | 281.9852 |
| 07/04/2017 17:00 | 281.9852 |
| 07/04/2017 18:00 | 282.1454 |
| 07/04/2017 19:00 | 281.9127 |
| 07/04/2017 20:00 | 282.3064 |
| 07/04/2017 21:00 | 281.8573 |
| 07/04/2017 22:00 | 282.2602 |
| 07/04/2017 23:00 | 282.2657 |
| 08/04/2017 00:00 | 282.8808 |
| 08/04/2017 01:00 | 283.6365 |
| 08/04/2017 02:00 | 283.451  |
| 08/04/2017 03:00 | 283.7611 |
| 08/04/2017 04:00 | 284.4617 |
| 08/04/2017 05:00 | 284.6535 |
| 08/04/2017 06:00 | 285.4727 |
| 08/04/2017 07:00 | 286.2515 |
| 08/04/2017 08:00 | 285.1567 |

|                  |          |
|------------------|----------|
| 08/04/2017 09:00 | 284.5917 |
| 08/04/2017 10:00 | 285.2272 |
| 08/04/2017 11:00 | 285.7111 |
| 08/04/2017 12:00 | 284.6114 |
| 08/04/2017 13:00 | 283.1523 |
| 08/04/2017 14:00 | 282.5912 |
| 08/04/2017 15:00 | 284.2917 |
| 08/04/2017 16:00 | 285.3051 |
| 08/04/2017 17:00 | 283.1028 |
| 08/04/2017 18:00 | 282.8823 |
| 08/04/2017 19:00 | 280.0061 |
| 08/04/2017 20:00 | 272.1175 |
| 08/04/2017 21:00 | 272.6401 |
| 08/04/2017 22:00 | 272.9934 |
| 08/04/2017 23:00 | 272.721  |
| 09/04/2017 00:00 | 273.1918 |
| 09/04/2017 01:00 | 273.8811 |
| 09/04/2017 02:00 | 273.7535 |
| 09/04/2017 03:00 | 273.8274 |
| 09/04/2017 04:00 | 272.4628 |
| 09/04/2017 05:00 | 273.5166 |
| 09/04/2017 06:00 | 282.3583 |
| 09/04/2017 07:00 | 285.4822 |
| 09/04/2017 08:00 | 288.2395 |
| 09/04/2017 09:00 | 287.017  |
| 09/04/2017 10:00 | 282.5982 |
| 09/04/2017 11:00 | 281.5552 |
| 09/04/2017 12:00 | 279.8053 |
| 09/04/2017 13:00 | 281.2941 |
| 09/04/2017 14:00 | 279.6898 |
| 09/04/2017 15:00 | 281.339  |
| 09/04/2017 16:00 | 280.9403 |
| 09/04/2017 17:00 | 282.3014 |
| 09/04/2017 18:00 | 279.9927 |
| 09/04/2017 19:00 | 276.6935 |
| 09/04/2017 20:00 | 276.2476 |
| 09/04/2017 21:00 | 275.8157 |
| 09/04/2017 22:00 | 274.4848 |
| 09/04/2017 23:00 | 273.9506 |
| 10/04/2017 00:00 | 274.498  |
| 10/04/2017 01:00 | 274.8323 |
| 10/04/2017 02:00 | 273.6851 |
| 10/04/2017 03:00 | 273.2865 |
| 10/04/2017 04:00 | 273.2216 |
| 10/04/2017 05:00 | 272.6557 |
| 10/04/2017 06:00 | 272.8846 |
| 10/04/2017 07:00 | 272.8857 |
| 10/04/2017 08:00 | 273.1585 |
| 12/04/2017 09:00 | 275.1619 |
| 12/04/2017 10:00 | 276.641  |
| 12/04/2017 11:00 | 276.4832 |
| 12/04/2017 12:00 | 275.7947 |
| 12/04/2017 13:00 | 277.9266 |
| 12/04/2017 14:00 | 278.8262 |
| 12/04/2017 15:00 | 278.5831 |
| 12/04/2017 16:00 | 278.6514 |
| 12/04/2017 17:00 | 278.8861 |
| 12/04/2017 18:00 | 278.9863 |
| 12/04/2017 19:00 | 279.1859 |
| 12/04/2017 20:00 | 280.4    |
| 12/04/2017 21:00 | 279.4156 |
| 12/04/2017 22:00 | 278.0037 |
| 12/04/2017 23:00 | 277.7357 |
| 13/04/2017 00:00 | 277.4535 |
| 13/04/2017 01:00 | 277.7657 |
| 13/04/2017 02:00 | 278.5823 |
| 13/04/2017 03:00 | 279.5963 |
| 13/04/2017 04:00 | 280.3348 |
| 13/04/2017 05:00 | 279.8243 |

|                  |          |
|------------------|----------|
| 13/04/2017 06:00 | 279.6429 |
| 13/04/2017 07:00 | 279.6678 |
| 13/04/2017 08:00 | 278.7033 |
| 13/04/2017 09:00 | 277.6678 |
| 13/04/2017 10:00 | 275.9619 |
| 13/04/2017 11:00 | 276.8896 |
| 13/04/2017 12:00 | 277.6738 |
| 13/04/2017 13:00 | 277.9906 |
| 13/04/2017 14:00 | 277.3613 |
| 13/04/2017 15:00 | 276.0757 |
| 13/04/2017 16:00 | 278.1014 |
| 13/04/2017 17:00 | 279.0273 |
| 13/04/2017 18:00 | 279.0765 |
| 13/04/2017 19:00 | 280.0443 |
| 13/04/2017 20:00 | 280.389  |
| 13/04/2017 21:00 | 280.3627 |
| 13/04/2017 22:00 | 279.9761 |
| 13/04/2017 23:00 | 279.1934 |
| 14/04/2017 00:00 | 279.1428 |
| 14/04/2017 01:00 | 280.579  |
| 14/04/2017 02:00 | 280.195  |
| 14/04/2017 03:00 | 278.6036 |
| 14/04/2017 04:00 | 272.9576 |
| 14/04/2017 05:00 | 269.3817 |
| 14/04/2017 06:00 | 268.7033 |
| 14/04/2017 07:00 | 267.2096 |
| 14/04/2017 08:00 | 269.2409 |

**REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN**
**PARAMETRO FUERA DE ESPECIFICACIÓN:**
**ZONA:**
**SUR**

| Metano (CH4)<br>% vol<br>( 83.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno (N2)<br>% vol<br>( 8.0000 )<br>Desv. máxima:<br>1.5000 | Bióxido de Carbono (CO2)<br>%vol<br>( 3.0000 ) | Total de inertes (CO2 y N2)<br>% vol<br>( 6.0000 ) | Poder calorífico MJ/m3<br>( 36.8000 - 43.6000 ) | Índice Wobbe MJ/m3<br>( 47.3000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío de hidrocarburos K(°C)<br>( 271.1500 ) | Humedad mg/m3<br>( 110.0000 ) | Acido sulfhídrico (H2S) mg/m3<br>( 6.0000 ) |
|--------------------------------------|-------------------------------|--|--|--|---|--|---|-------------------------------|---|
| % C1                                 | %C2                           | N2   | CO2  | CO2+N2   | Poder Calorífico                                | I. Woobe   | HCDP  | H2O                           | H2S   |
|                                      |                               |  |  |  |   |  | X   |                               |   |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**
**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de Especificación | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|--|---|------------------|
| 04/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>278.301</b>   |
| 05/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>275.2769</b>  |
| 06/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>274.7114</b>  |
| 07/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>272.9083</b>  |
| 11/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>275.7233</b>  |
| 12/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>276.9313</b>  |
| 13/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>273.3176</b>  |
| 14/04/2017                             | "CRE 17 Venta Carpio 30""                 | <b>271.8733</b>  |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

| Fecha y Hora     | Temperatura de rocío de hidrocarburos |
|------------------|---------------------------------------|
| 04/04/2017 09:00 | 277.9841                              |
| 04/04/2017 10:00 | 278.6471                              |
| 04/04/2017 11:00 | 278.4458                              |
| 04/04/2017 12:00 | 279.7284                              |
| 04/04/2017 13:00 | 280.089                               |
| 04/04/2017 14:00 | 279.8694                              |
| 04/04/2017 15:00 | 279.5634                              |
| 04/04/2017 16:00 | 279.1352                              |
| 04/04/2017 17:00 | 279.2114                              |
| 04/04/2017 18:00 | 278.9229                              |
| 04/04/2017 19:00 | 278.1913                              |
| 04/04/2017 20:00 | 277.9456                              |
| 04/04/2017 21:00 | 277.3154                              |
| 04/04/2017 22:00 | 277.1597                              |
| 04/04/2017 23:00 | 277.5582                              |
| 05/04/2017 00:00 | 279.854                               |
| 05/04/2017 01:00 | 278.5506                              |
| 05/04/2017 02:00 | 277.8586                              |
| 05/04/2017 03:00 | 277.6108                              |
| 05/04/2017 04:00 | 278.5179                              |
| 05/04/2017 05:00 | 276.8731                              |
| 05/04/2017 06:00 | 276.7643                              |
| 05/04/2017 07:00 | 276.976                               |
| 05/04/2017 08:00 | 276.4515                              |
| 05/04/2017 09:00 | 277.2923                              |
| 05/04/2017 10:00 | 276.2921                              |
| 05/04/2017 11:00 | 276.9629                              |
| 05/04/2017 12:00 | 277.5466                              |
| 05/04/2017 13:00 | 277.2211                              |
| 05/04/2017 14:00 | 277.506                               |
| 05/04/2017 15:00 | 276.9113                              |
| 05/04/2017 16:00 | 278.1691                              |
| 05/04/2017 17:00 | 272.9631                              |

|                  |          |
|------------------|----------|
| 05/04/2017 18:00 | 262.2829 |
| 05/04/2017 19:00 | 262.9904 |
| 05/04/2017 20:00 | 274.7734 |
| 05/04/2017 21:00 | 278.5141 |
| 05/04/2017 22:00 | 277.6595 |
| 05/04/2017 23:00 | 276.1541 |
| 06/04/2017 00:00 | 276.2506 |
| 06/04/2017 01:00 | 276.274  |
| 06/04/2017 02:00 | 277.1512 |
| 06/04/2017 03:00 | 276.4354 |
| 06/04/2017 04:00 | 276.3891 |
| 06/04/2017 05:00 | 275.2271 |
| 06/04/2017 06:00 | 275.1266 |
| 06/04/2017 07:00 | 275.6136 |
| 06/04/2017 08:00 | 274.9389 |
| 06/04/2017 09:00 | 272.8087 |
| 06/04/2017 10:00 | 273.5221 |
| 06/04/2017 11:00 | 272.6881 |
| 06/04/2017 12:00 | 273.6731 |
| 06/04/2017 13:00 | 274.2888 |
| 06/04/2017 14:00 | 275.9186 |
| 06/04/2017 15:00 | 277.2621 |
| 06/04/2017 16:00 | 276.8842 |
| 06/04/2017 17:00 | 275.9565 |
| 06/04/2017 18:00 | 275.6412 |
| 06/04/2017 19:00 | 274.5141 |
| 06/04/2017 20:00 | 274.2413 |
| 06/04/2017 21:00 | 274.3978 |
| 06/04/2017 22:00 | 273.1888 |
| 06/04/2017 23:00 | 273.085  |
| 07/04/2017 00:00 | 274.3266 |
| 07/04/2017 01:00 | 274.225  |
| 07/04/2017 02:00 | 273.5735 |
| 07/04/2017 03:00 | 274.6587 |
| 07/04/2017 04:00 | 274.8505 |
| 07/04/2017 05:00 | 276.8795 |
| 07/04/2017 06:00 | 276.6086 |
| 07/04/2017 07:00 | 274.8943 |
| 07/04/2017 08:00 | 274.9866 |
| 07/04/2017 09:00 | 275.9113 |
| 07/04/2017 10:00 | 276.7066 |
| 07/04/2017 11:00 | 274.402  |
| 07/04/2017 12:00 | 275.3854 |
| 07/04/2017 13:00 | 274.5124 |
| 07/04/2017 14:00 | 273.6313 |
| 07/04/2017 15:00 | 273.5237 |
| 07/04/2017 16:00 | 272.8546 |
| 07/04/2017 17:00 | 273.5116 |
| 07/04/2017 18:00 | 272.9142 |
| 07/04/2017 19:00 | 272.1242 |
| 07/04/2017 20:00 | 272.8423 |
| 07/04/2017 21:00 | 272.0923 |
| 07/04/2017 22:00 | 271.0798 |
| 07/04/2017 23:00 | 272.0254 |
| 08/04/2017 00:00 | 272.1446 |
| 08/04/2017 01:00 | 272.0213 |
| 08/04/2017 02:00 | 272.7178 |
| 08/04/2017 03:00 | 272.0147 |
| 08/04/2017 04:00 | 271.8615 |
| 08/04/2017 05:00 | 271.4905 |
| 08/04/2017 06:00 | 272.1445 |
| 08/04/2017 07:00 | 270.8892 |
| 08/04/2017 08:00 | 270.9984 |
| 11/04/2017 09:00 | 271.841  |
| 11/04/2017 10:00 | 272.8766 |
| 11/04/2017 11:00 | 273.8652 |
| 11/04/2017 12:00 | 273.371  |
| 11/04/2017 13:00 | 274.5968 |
| 11/04/2017 14:00 | 276.1877 |
| 11/04/2017 15:00 | 276.2585 |
| 11/04/2017 16:00 | 276.9752 |
| 11/04/2017 17:00 | 276.0477 |

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| 11/04/2017 18:00 | 275.4303 |
| 11/04/2017 19:00 | 276.7503 |
| 11/04/2017 20:00 | 279.1428 |
| 11/04/2017 21:00 | 278.3538 |
| 11/04/2017 22:00 | 275.2272 |
| 11/04/2017 23:00 | 275.7412 |
| 12/04/2017 00:00 | 275.9826 |
| 12/04/2017 01:00 | 276.3398 |
| 12/04/2017 02:00 | 276.0611 |
| 12/04/2017 03:00 | 275.5125 |
| 12/04/2017 04:00 | 275.2905 |
| 12/04/2017 05:00 | 277.4278 |
| 12/04/2017 06:00 | 275.8374 |
| 12/04/2017 07:00 | 276.4921 |
| 12/04/2017 08:00 | 275.7512 |
| 12/04/2017 09:00 | 276.9608 |
| 12/04/2017 10:00 | 276.7725 |
| 12/04/2017 11:00 | 275.6843 |
| 12/04/2017 12:00 | 276.5834 |
| 12/04/2017 13:00 | 276.256  |
| 12/04/2017 14:00 | 275.9465 |
| 12/04/2017 15:00 | 276.6364 |
| 12/04/2017 16:00 | 277.0928 |
| 12/04/2017 17:00 | 277.0801 |
| 12/04/2017 18:00 | 277.3652 |
| 12/04/2017 19:00 | 277.4918 |
| 12/04/2017 20:00 | 278.2025 |
| 12/04/2017 21:00 | 278.0832 |
| 12/04/2017 22:00 | 278.5105 |
| 12/04/2017 23:00 | 278.587  |
| 13/04/2017 00:00 | 277.5912 |
| 13/04/2017 01:00 | 278.3402 |
| 13/04/2017 02:00 | 278.9201 |
| 13/04/2017 03:00 | 277.1509 |
| 13/04/2017 04:00 | 276.3971 |
| 13/04/2017 05:00 | 276.1612 |
| 13/04/2017 06:00 | 275.6002 |
| 13/04/2017 07:00 | 273.3647 |
| 13/04/2017 08:00 | 275.5733 |
| 13/04/2017 09:00 | 276.7837 |
| 13/04/2017 10:00 | 276.9884 |
| 13/04/2017 11:00 | 275.8541 |
| 13/04/2017 12:00 | 274.0274 |
| 13/04/2017 13:00 | 271.9324 |
| 13/04/2017 14:00 | 271.9221 |
| 13/04/2017 15:00 | 272.4426 |
| 13/04/2017 16:00 | 272.0614 |
| 13/04/2017 17:00 | 271.6306 |
| 13/04/2017 18:00 | 273.0029 |
| 13/04/2017 19:00 | 271.7462 |
| 13/04/2017 20:00 | 271.4405 |
| 13/04/2017 21:00 | 271.9769 |
| 13/04/2017 22:00 | 272.897  |
| 13/04/2017 23:00 | 274.3734 |
| 14/04/2017 00:00 | 274.4896 |
| 14/04/2017 01:00 | 275.3237 |
| 14/04/2017 02:00 | 274.8411 |
| 14/04/2017 03:00 | 273.6304 |
| 14/04/2017 04:00 | 273.6838 |
| 14/04/2017 05:00 | 272.1977 |
| 14/04/2017 06:00 | 272.034  |
| 14/04/2017 07:00 | 272.1437 |
| 14/04/2017 08:00 | 272.1979 |
| 14/04/2017 09:00 | 273.046  |
| 14/04/2017 10:00 | 271.7566 |
| 14/04/2017 11:00 | 272.4662 |
| 14/04/2017 12:00 | 271.7216 |
| 14/04/2017 13:00 | 272.1913 |
| 14/04/2017 14:00 | 271.7315 |
| 14/04/2017 15:00 | 271.1621 |
| 14/04/2017 16:00 | 270.9073 |
| 14/04/2017 17:00 | 271.2639 |

|                  |          |
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| 14/04/2017 18:00 | 272.6019 |
| 14/04/2017 19:00 | 271.576  |
| 14/04/2017 20:00 | 272.191  |
| 14/04/2017 21:00 | 272.0156 |
| 14/04/2017 22:00 | 271.3966 |
| 14/04/2017 23:00 | 271.8997 |
| 15/04/2017 00:00 | 270.219  |
| 15/04/2017 01:00 | 270.545  |
| 15/04/2017 02:00 | 271.87   |
| 15/04/2017 03:00 | 271.7435 |
| 15/04/2017 04:00 | 272.1499 |
| 15/04/2017 05:00 | 272.2974 |
| 15/04/2017 06:00 | 273.0834 |
| 15/04/2017 07:00 | 272.943  |
| 15/04/2017 08:00 | 272.1805 |

**REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN**
**PARAMETRO FUERA DE ESPECIFICACIÓN:**
**ZONA:**
**SUR**

| Metano (CH4)<br>% vol<br>( 83.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno (N2)<br>% vol<br>( 8.0000 )<br>Desv. máxima:<br>1.5000 | Bióxido de Carbono (CO2)<br>%vol<br>( 3.0000 ) | Total de inertes (CO2 y N2)<br>% vol<br>( 8.0000 ) | Poder calorífico MJ/m3<br>( 36.8000 - 43.6000 ) | Índice Wobbe MJ/m3<br>( 47.3000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío de hidrocarburos<br>K(°C)<br>( 271.1500 ) | Humedad mg/m3<br>( 110.0000 ) | Acido sulfhídrico (H2S)<br>mg/m3<br>( 6.0000 ) |
|--------------------------------------|-------------------------------|--|--|--|---|--|--|-------------------------------|--|
| % C1                                 | %C2                           | N2   | CO2  | CO2+N2   | Poder Calorífico                                | I. Woobe   | HCDP   | H2O                           | H2S  |
|                                      |                               |  |  |  |   |  | X  |                               |  |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**
**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|-------------------------|---|------------------|
| 01/04/2017              | CRE 50 Playuela                           | 275.6677         |
| 02/04/2017              | CRE 50 Playuela                           | 276.4876         |
| 03/04/2017              | CRE 50 Playuela                           | 278.1774         |
| 04/04/2017              | CRE 50 Playuela                           | 276.883          |
| 05/04/2017              | CRE 50 Playuela                           | 276.9136         |
| 06/04/2017              | CRE 50 Playuela                           | 275.7324         |
| 07/04/2017              | CRE 50 Playuela                           | 275.8817         |
| 08/04/2017              | CRE 50 Playuela                           | 276.0094         |
| 09/04/2017              | CRE 50 Playuela                           | 276.8675         |
| 10/04/2017              | CRE 50 Playuela                           | 277.833          |
| 11/04/2017              | CRE 50 Playuela                           | 277.1903         |
| 12/04/2017              | CRE 50 Playuela                           | 277.3262         |
| 13/04/2017              | CRE 50 Playuela                           | 276.3603         |
| 14/04/2017              | CRE 50 Playuela                           | 276.7224         |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

| Fecha y Hora     | Temperatura de rocío de hidrocarburos |
|------------------|---------------------------------------|
| 01/04/2017 05:00 | 275.5301                              |
| 01/04/2017 06:00 | 275.76                                |
| 01/04/2017 07:00 | 275.8364                              |
| 01/04/2017 08:00 | 276.1201                              |
| 01/04/2017 09:00 | 276.5198                              |
| 01/04/2017 10:00 | 276.192                               |
| 01/04/2017 11:00 | 276.2936                              |
| 01/04/2017 12:00 | 276.9153                              |
| 01/04/2017 13:00 | 277.2248                              |
| 01/04/2017 14:00 | 277.5509                              |
| 01/04/2017 15:00 | 277.6938                              |
| 01/04/2017 16:00 | 277.6767                              |
| 01/04/2017 17:00 | 276.5286                              |
| 01/04/2017 18:00 | 276.1102                              |
| 01/04/2017 19:00 | 275.6055                              |
| 01/04/2017 20:00 | 274.3689                              |
| 01/04/2017 21:00 | 274.2036                              |
| 01/04/2017 22:00 | 274.1676                              |
| 01/04/2017 23:00 | 274.0606                              |
| 02/04/2017 00:00 | 273.968                               |
| 02/04/2017 01:00 | 273.9056                              |
| 02/04/2017 03:00 | 273.8771                              |
| 02/04/2017 04:00 | 274.2471                              |



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|------------------|----------|
| 02/04/2017 05:00 | 274.0376 |
| 02/04/2017 06:00 | 274.3449 |
| 02/04/2017 07:00 | 274.7155 |
| 02/04/2017 08:00 | 274.9893 |
| 02/04/2017 09:00 | 275.2845 |
| 02/04/2017 10:00 | 275.7062 |
| 02/04/2017 11:00 | 276.2932 |
| 02/04/2017 12:00 | 277.8692 |
| 02/04/2017 13:00 | 281.3661 |
| 02/04/2017 14:00 | 279.9407 |
| 02/04/2017 15:00 | 279.2426 |
| 02/04/2017 16:00 | 278.4064 |
| 02/04/2017 17:00 | 277.8858 |
| 02/04/2017 18:00 | 277.2243 |
| 02/04/2017 19:00 | 276.9641 |
| 02/04/2017 20:00 | 276.6899 |
| 02/04/2017 21:00 | 276.8116 |
| 02/04/2017 22:00 | 276.3206 |
| 02/04/2017 23:00 | 276.0897 |
| 03/04/2017 00:00 | 275.3756 |
| 03/04/2017 01:00 | 275.206  |
| 03/04/2017 02:00 | 274.7691 |
| 03/04/2017 03:00 | 275.1411 |
| 03/04/2017 04:00 | 275.0277 |
| 03/04/2017 05:00 | 275.5132 |
| 03/04/2017 06:00 | 275.3089 |
| 03/04/2017 07:00 | 275.4336 |
| 03/04/2017 08:00 | 275.9559 |
| 03/04/2017 09:00 | 278.0013 |
| 03/04/2017 10:00 | 276.7015 |
| 03/04/2017 11:00 | 278.1338 |
| 03/04/2017 12:00 | 281.9843 |
| 03/04/2017 13:00 | 284.4731 |
| 03/04/2017 14:00 | 286.8095 |
| 03/04/2017 15:00 | 282.4167 |
| 03/04/2017 16:00 | 280.4326 |
| 03/04/2017 17:00 | 279.4567 |
| 03/04/2017 18:00 | 278.7917 |
| 03/04/2017 19:00 | 277.567  |
| 03/04/2017 20:00 | 277.6323 |
| 03/04/2017 21:00 | 276.9049 |
| 03/04/2017 22:00 | 276.8483 |
| 03/04/2017 23:00 | 276.5272 |
| 04/04/2017 00:00 | 276.4297 |
| 04/04/2017 01:00 | 276.5006 |
| 04/04/2017 02:00 | 276.3197 |
| 04/04/2017 03:00 | 276.1053 |
| 04/04/2017 04:00 | 276.0104 |
| 04/04/2017 05:00 | 275.982  |
| 04/04/2017 06:00 | 276.1159 |
| 04/04/2017 07:00 | 275.9993 |
| 04/04/2017 08:00 | 276.2328 |
| 04/04/2017 09:00 | 276.4236 |
| 04/04/2017 10:00 | 277.0019 |
| 04/04/2017 11:00 | 276.5926 |
| 04/04/2017 12:00 | 279.0997 |
| 04/04/2017 13:00 | 278.5103 |
| 04/04/2017 14:00 | 278.3775 |
| 04/04/2017 15:00 | 278.4336 |
| 04/04/2017 16:00 | 278.6754 |
| 04/04/2017 17:00 | 278.4037 |
| 04/04/2017 18:00 | 278.4369 |
| 04/04/2017 19:00 | 277.8208 |
| 04/04/2017 20:00 | 277.0199 |
| 04/04/2017 21:00 | 276.333  |
| 04/04/2017 22:00 | 275.9105 |
| 04/04/2017 23:00 | 276.0567 |
| 05/04/2017 00:00 | 275.5468 |
| 05/04/2017 01:00 | 275.7206 |

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| 05/04/2017 02:00 | 275.5473 |
| 05/04/2017 03:00 | 275.5642 |
| 05/04/2017 04:00 | 275.3878 |
| 05/04/2017 05:00 | 275.1226 |
| 05/04/2017 06:00 | 275.3251 |
| 05/04/2017 07:00 | 275.6344 |
| 05/04/2017 08:00 | 275.8786 |
| 05/04/2017 09:00 | 276.1937 |
| 05/04/2017 10:00 | 276.2466 |
| 05/04/2017 11:00 | 276.6083 |
| 05/04/2017 12:00 | 276.551  |
| 05/04/2017 13:00 | 277.4724 |
| 05/04/2017 14:00 | 277.9579 |
| 05/04/2017 15:00 | 277.8252 |
| 05/04/2017 16:00 | 277.218  |
| 05/04/2017 17:00 | 279.9188 |
| 05/04/2017 18:00 | 281.9688 |
| 05/04/2017 19:00 | 276.9998 |
| 05/04/2017 20:00 | 281.4228 |
| 05/04/2017 21:00 | 276.2755 |
| 05/04/2017 22:00 | 276.7134 |
| 05/04/2017 23:00 | 276.5867 |
| 06/04/2017 00:00 | 276.6031 |
| 06/04/2017 01:00 | 275.8344 |
| 06/04/2017 02:00 | 275.3221 |
| 06/04/2017 03:00 | 275.0897 |
| 06/04/2017 04:00 | 275.1576 |
| 06/04/2017 05:00 | 274.7119 |
| 06/04/2017 06:00 | 274.4427 |
| 06/04/2017 07:00 | 274.2583 |
| 06/04/2017 08:00 | 274.0463 |
| 06/04/2017 09:00 | 275.0121 |
| 06/04/2017 10:00 | 275.7934 |
| 06/04/2017 11:00 | 277.8248 |
| 06/04/2017 12:00 | 276.1866 |
| 06/04/2017 13:00 | 275.9468 |
| 06/04/2017 14:00 | 276.4679 |
| 06/04/2017 15:00 | 278.6155 |
| 06/04/2017 16:00 | 277.0999 |
| 06/04/2017 17:00 | 277.028  |
| 06/04/2017 18:00 | 276.7043 |
| 06/04/2017 19:00 | 275.874  |
| 06/04/2017 20:00 | 275.5632 |
| 06/04/2017 21:00 | 275.0032 |
| 06/04/2017 22:00 | 275.2202 |
| 06/04/2017 23:00 | 275.2727 |
| 07/04/2017 00:00 | 275.489  |
| 07/04/2017 01:00 | 275.2037 |
| 07/04/2017 02:00 | 275.209  |
| 07/04/2017 03:00 | 275.3607 |
| 07/04/2017 04:00 | 275.2423 |
| 07/04/2017 05:00 | 275.7399 |
| 07/04/2017 06:00 | 275.4627 |
| 07/04/2017 07:00 | 275.5723 |
| 07/04/2017 08:00 | 275.4053 |
| 07/04/2017 09:00 | 275.3686 |
| 07/04/2017 10:00 | 275.5471 |
| 07/04/2017 11:00 | 275.5695 |
| 07/04/2017 12:00 | 276.1096 |
| 07/04/2017 13:00 | 276.2091 |
| 07/04/2017 14:00 | 276.6957 |
| 07/04/2017 15:00 | 276.7235 |
| 07/04/2017 16:00 | 277.2683 |
| 07/04/2017 17:00 | 276.5597 |
| 07/04/2017 18:00 | 276.3515 |
| 07/04/2017 19:00 | 275.8411 |
| 07/04/2017 20:00 | 275.8554 |
| 07/04/2017 21:00 | 275.8595 |
| 07/04/2017 22:00 | 275.5412 |

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| 07/04/2017 23:00 | 275.8679 |
| 08/04/2017 00:00 | 275.6632 |
| 08/04/2017 01:00 | 275.5094 |
| 08/04/2017 02:00 | 275.4291 |
| 08/04/2017 03:00 | 275.4562 |
| 08/04/2017 04:00 | 275.5541 |
| 08/04/2017 05:00 | 275.938  |
| 08/04/2017 06:00 | 276.0523 |
| 08/04/2017 07:00 | 275.8722 |
| 08/04/2017 08:00 | 276.2143 |
| 08/04/2017 09:00 | 276.066  |
| 08/04/2017 10:00 | 276.1935 |
| 08/04/2017 11:00 | 276.5817 |
| 08/04/2017 12:00 | 276.4661 |
| 08/04/2017 13:00 | 276.6466 |
| 08/04/2017 14:00 | 276.2915 |
| 08/04/2017 15:00 | 276.5143 |
| 08/04/2017 16:00 | 276.8814 |
| 08/04/2017 17:00 | 276.6918 |
| 08/04/2017 18:00 | 276.6025 |
| 08/04/2017 19:00 | 276.1694 |
| 08/04/2017 20:00 | 276.075  |
| 08/04/2017 21:00 | 275.5886 |
| 08/04/2017 22:00 | 275.9619 |
| 08/04/2017 23:00 | 275.4328 |
| 09/04/2017 00:00 | 275.1516 |
| 09/04/2017 01:00 | 274.9742 |
| 09/04/2017 02:00 | 275.2323 |
| 09/04/2017 03:00 | 275.4478 |
| 09/04/2017 04:00 | 275.1802 |
| 09/04/2017 05:00 | 275.2861 |
| 09/04/2017 06:00 | 275.5043 |
| 09/04/2017 07:00 | 275.5628 |
| 09/04/2017 08:00 | 275.6394 |
| 09/04/2017 09:00 | 275.7825 |
| 09/04/2017 10:00 | 276.0019 |
| 09/04/2017 11:00 | 276.1215 |
| 09/04/2017 12:00 | 276.5935 |
| 09/04/2017 13:00 | 277.0974 |
| 09/04/2017 14:00 | 277.6039 |
| 09/04/2017 15:00 | 278.0695 |
| 09/04/2017 16:00 | 278.6427 |
| 09/04/2017 17:00 | 278.5229 |
| 09/04/2017 18:00 | 278.017  |
| 09/04/2017 19:00 | 277.9345 |
| 09/04/2017 20:00 | 277.5433 |
| 09/04/2017 21:00 | 276.9989 |
| 09/04/2017 22:00 | 276.8303 |
| 09/04/2017 23:00 | 276.7005 |
| 10/04/2017 00:00 | 276.5904 |
| 10/04/2017 01:00 | 276.8696 |
| 10/04/2017 02:00 | 276.8924 |
| 10/04/2017 03:00 | 276.9586 |
| 10/04/2017 04:00 | 277.0551 |
| 10/04/2017 05:00 | 277.2672 |
| 10/04/2017 06:00 | 277.7943 |
| 10/04/2017 07:00 | 278.0529 |
| 10/04/2017 08:00 | 277.8439 |
| 10/04/2017 09:00 | 278.0463 |
| 10/04/2017 10:00 | 277.849  |
| 10/04/2017 11:00 | 278.4535 |
| 10/04/2017 12:00 | 278.3055 |
| 10/04/2017 13:00 | 278.8911 |
| 10/04/2017 14:00 | 278.9751 |
| 10/04/2017 15:00 | 279.117  |
| 10/04/2017 16:00 | 279.4867 |
| 10/04/2017 17:00 | 279.5022 |
| 10/04/2017 18:00 | 279.2361 |
| 10/04/2017 19:00 | 278.6914 |

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| 10/04/2017 20:00 | 278.1131 |
| 10/04/2017 21:00 | 277.4103 |
| 10/04/2017 22:00 | 276.927  |
| 10/04/2017 23:00 | 276.6982 |
| 11/04/2017 00:00 | 276.1206 |
| 11/04/2017 01:00 | 276.4055 |
| 11/04/2017 02:00 | 276.3116 |
| 11/04/2017 03:00 | 276.1942 |
| 11/04/2017 04:00 | 276.2995 |
| 11/04/2017 05:00 | 276.594  |
| 11/04/2017 06:00 | 276.4993 |
| 11/04/2017 07:00 | 276.4396 |
| 11/04/2017 08:00 | 276.6345 |
| 11/04/2017 09:00 | 276.5741 |
| 11/04/2017 10:00 | 276.9376 |
| 11/04/2017 11:00 | 277.2634 |
| 11/04/2017 12:00 | 277.1673 |
| 11/04/2017 13:00 | 277.5622 |
| 11/04/2017 14:00 | 278.0758 |
| 11/04/2017 15:00 | 279.1492 |
| 11/04/2017 16:00 | 279.2119 |
| 11/04/2017 17:00 | 279.3454 |
| 11/04/2017 18:00 | 278.617  |
| 11/04/2017 19:00 | 277.925  |
| 11/04/2017 20:00 | 277.9088 |
| 11/04/2017 21:00 | 277.8816 |
| 11/04/2017 22:00 | 277.627  |
| 11/04/2017 23:00 | 276.6656 |
| 12/04/2017 00:00 | 276.1934 |
| 12/04/2017 01:00 | 275.9116 |
| 12/04/2017 02:00 | 275.5602 |
| 12/04/2017 03:00 | 275.4159 |
| 12/04/2017 04:00 | 275.4078 |
| 12/04/2017 05:00 | 275.9955 |
| 12/04/2017 06:00 | 276.2437 |
| 12/04/2017 07:00 | 276.1828 |
| 12/04/2017 08:00 | 276.7306 |
| 12/04/2017 09:00 | 277.3567 |
| 12/04/2017 10:00 | 277.7298 |
| 12/04/2017 11:00 | 278.3211 |
| 12/04/2017 12:00 | 279.217  |
| 12/04/2017 13:00 | 279.2876 |
| 12/04/2017 14:00 | 279.3444 |
| 12/04/2017 15:00 | 279.6106 |
| 12/04/2017 16:00 | 279.8424 |
| 12/04/2017 17:00 | 279.4624 |
| 12/04/2017 18:00 | 279.0013 |
| 12/04/2017 19:00 | 278.2353 |
| 12/04/2017 20:00 | 277.5958 |
| 12/04/2017 21:00 | 276.9905 |
| 12/04/2017 22:00 | 276.6256 |
| 12/04/2017 23:00 | 275.8871 |
| 13/04/2017 00:00 | 275.4799 |
| 13/04/2017 01:00 | 275.1391 |
| 13/04/2017 02:00 | 275.0179 |
| 13/04/2017 03:00 | 275.2996 |
| 13/04/2017 04:00 | 275.2316 |
| 13/04/2017 05:00 | 275.7715 |
| 13/04/2017 06:00 | 275.9213 |
| 13/04/2017 07:00 | 275.6271 |
| 13/04/2017 08:00 | 275.9835 |
| 13/04/2017 09:00 | 276.2202 |
| 13/04/2017 10:00 | 276.104  |
| 13/04/2017 11:00 | 276.3153 |
| 13/04/2017 12:00 | 276.5392 |
| 13/04/2017 13:00 | 277.0975 |
| 13/04/2017 14:00 | 279.7224 |
| 13/04/2017 15:00 | 278.0732 |
| 13/04/2017 16:00 | 278.1695 |

|                  |          |
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| 13/04/2017 17:00 | 278.1301 |
| 13/04/2017 18:00 | 277.5078 |
| 13/04/2017 19:00 | 277.0394 |
| 13/04/2017 20:00 | 276.5988 |
| 13/04/2017 21:00 | 276.2382 |
| 13/04/2017 22:00 | 275.4133 |
| 13/04/2017 23:00 | 275.3867 |
| 14/04/2017 00:00 | 275.1001 |
| 14/04/2017 01:00 | 275.0117 |
| 14/04/2017 02:00 | 274.7949 |
| 14/04/2017 03:00 | 274.9916 |
| 14/04/2017 04:00 | 274.89   |
| 14/04/2017 05:00 | 275.2723 |
| 14/04/2017 06:00 | 275.2962 |
| 14/04/2017 07:00 | 275.2146 |
| 14/04/2017 08:00 | 275.3095 |
| 14/04/2017 09:00 | 275.4216 |
| 14/04/2017 10:00 | 275.4419 |
| 14/04/2017 11:00 | 275.3105 |
| 14/04/2017 12:00 | 275.5954 |
| 14/04/2017 13:00 | 276.4524 |
| 14/04/2017 14:00 | 277.2111 |
| 14/04/2017 15:00 | 278.176  |
| 14/04/2017 16:00 | 278.6322 |
| 14/04/2017 17:00 | 279.1005 |
| 14/04/2017 18:00 | 278.9626 |
| 14/04/2017 19:00 | 278.6423 |
| 14/04/2017 20:00 | 278.1707 |
| 14/04/2017 21:00 | 277.3401 |
| 14/04/2017 22:00 | 277.1318 |
| 14/04/2017 23:00 | 276.8417 |
| 15/04/2017 00:00 | 276.534  |
| 15/04/2017 01:00 | 276.1492 |
| 15/04/2017 02:00 | 276.1264 |
| 15/04/2017 03:00 | 276.4032 |
| 15/04/2017 04:00 | 276.601  |

## REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

**PARAMETRO FUERA DE ESPECIFICACIÓN:** **ZONA:** **RESTO DEL PAIS** Temperatura de rocío

| Metano (CH4)<br>% vol<br>( 84.0000 ) | Etano<br>% vol<br>( 11.0000 ) | Nitrógeno (N2)<br>% vol<br>( 4.0000 )<br>Desv. máxima:<br>1.5000 | Bióxido de Carbono (CO2)<br>%vol<br>( 3.0000 ) | Total de inertes (CO2 y N2)<br>% vol<br>( 4.0000 ) | Poder calorífico MJ/m3<br>( 37.3000 - 43.6000 ) | Índice Wobbe MJ/m3<br>( 48.2000 - 53.2000 )<br>Desv. máxima:<br>5.0000 | Temperatura de rocío de hidrocarburos<br>K(°C)<br>( 271.1500 ) | Humedad mg/m3<br>( 110.0000 ) | Acido sulfhídrico (H2S)<br>mg/m3<br>( 6.0000 ) |
|--------------------------------------|-------------------------------|--|--|--|---|--|--|-------------------------------|--|
| % C1                                 | %C2                           | N2   | CO2  | CO2+N2   | Poder Calorífico                                | I. Woobe   | HCDP   | H2O                           | H2S  |
|                                      |                               |  |  |  |   |  | X  |                               |  |

**A) FECHA Y LUGAR DONDE SE REGISTRÓ EL INCUMPLIMIENTO**

**B) PERIODO DURANTE EL CUAL GAS NATURAL SE ENCUENTRA FUERA DE ESPECIFICACIONES**

| Fecha de Flujo Fuera de Especificación | Lugar donde se registró el incumplimiento | Valor Prom / Día |
|--|---|------------------|
| 11/04/2017                             | CRE Kinder Morgan Mty                     | 307.8261         |

**C) REGISTRO DE LOS VALORES PROMEDIO HORARIOS DE CADA UNA DE LAS PROPIEDADES QUE ESTUVIERON FUERA DE ESPECIFICACIONES DURANTE DICHO PERIODO.**

| Fecha y Hora     | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 11/04/2017 18:00 | 241.1767  |
| 11/04/2017 19:00 | 240.6398  |
| 11/04/2017 20:00 | 239.8805  |
| 11/04/2017 21:00 | 239.3604  |
| 11/04/2017 22:00 | 241.0879  |
| 11/04/2017 23:00 | 240.8427  |
| 12/04/2017 00:00 | 239.9196  |
| 12/04/2017 01:00 | 240.9041  |
| 12/04/2017 02:00 | 241.2349  |
| 12/04/2017 03:00 | 241.6303  |
| 12/04/2017 04:00 | 241.6987  |
| 12/04/2017 05:00 | 242.2138  |
| 12/04/2017 06:00 | 242.116   |
| 12/04/2017 07:00 | 240.8598  |
| 12/04/2017 08:00 | 240.2168  |