

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 38 CPG Cactus | 34.3569 |
| 09/03/2019 | CRE 38 CPG Cactus | 34.871 |
| 10/03/2019 | CRE 38 CPG Cactus | 34.648 |
| 11/03/2019 | CRE 38 CPG Cactus | 34.2669 |
| 13/03/2019 | CRE 38 CPG Cactus | 35.8511 |
| 14/03/2019 | CRE 38 CPG Cactus | 35.2352 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 05:00 | 34.13 |
| 08/03/2019 06:00 | 34.1356 |
| 08/03/2019 07:00 | 34.1386 |
| 08/03/2019 08:00 | 34.1507 |
| 08/03/2019 09:00 | 34.1544 |
| 08/03/2019 10:00 | 34.5839 |
| 08/03/2019 11:00 | 35.2692 |
| 08/03/2019 12:00 | 37.1405 |
| 08/03/2019 13:00 | 34.3786 |
| 08/03/2019 14:00 | 34.5851 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 15:00 | 35.2887 |
| 08/03/2019 16:00 | 34.0084 |
| 08/03/2019 17:00 | 34.0233 |
| 08/03/2019 18:00 | 34.0212 |
| 08/03/2019 19:00 | 34.0232 |
| 08/03/2019 20:00 | 34.0251 |
| 08/03/2019 21:00 | 34.0318 |
| 08/03/2019 22:00 | 34.0362 |
| 08/03/2019 23:00 | 34.0379 |
| 09/03/2019 00:00 | 34.0452 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 01:00 | 34.0635 |
| 09/03/2019 02:00 | 34.0799 |
| 09/03/2019 03:00 | 34.099 |
| 09/03/2019 04:00 | 34.1138 |
| 09/03/2019 05:00 | 35.6607 |
| 09/03/2019 06:00 | 35.6609 |
| 09/03/2019 07:00 | 35.6624 |
| 09/03/2019 08:00 | 35.6613 |
| 09/03/2019 09:00 | 35.6516 |
| 09/03/2019 10:00 | 35.6378 |
| 09/03/2019 11:00 | 35.6276 |
| 09/03/2019 12:00 | 35.6174 |
| 09/03/2019 13:00 | 35.6084 |
| 09/03/2019 14:00 | 35.5944 |
| 09/03/2019 15:00 | 35.5878 |
| 09/03/2019 16:00 | 35.5699 |
| 09/03/2019 17:00 | 34.2547 |
| 09/03/2019 18:00 | 34.2539 |
| 09/03/2019 19:00 | 34.2424 |
| 09/03/2019 20:00 | 34.2318 |
| 09/03/2019 21:00 | 34.188 |
| 09/03/2019 22:00 | 34.1048 |
| 09/03/2019 23:00 | 34.0742 |
| 10/03/2019 00:00 | 34.0347 |
| 10/03/2019 01:00 | 34.0123 |
| 10/03/2019 02:00 | 34.0019 |
| 10/03/2019 03:00 | 33.9832 |
| 10/03/2019 04:00 | 33.982 |
| 10/03/2019 05:00 | 35.6608 |
| 10/03/2019 06:00 | 35.661 |
| 10/03/2019 07:00 | 35.6626 |
| 10/03/2019 08:00 | 35.6615 |
| 10/03/2019 09:00 | 35.6518 |
| 10/03/2019 10:00 | 35.638 |
| 10/03/2019 11:00 | 35.6278 |
| 10/03/2019 12:00 | 35.6176 |
| 10/03/2019 13:00 | 33.9813 |
| 10/03/2019 14:00 | 33.9866 |
| 10/03/2019 15:00 | 33.9796 |
| 10/03/2019 16:00 | 33.9705 |
| 10/03/2019 17:00 | 33.9479 |
| 10/03/2019 18:00 | 33.9101 |
| 10/03/2019 19:00 | 34.707 |
| 10/03/2019 20:00 | 35.3783 |
| 10/03/2019 21:00 | 34.0322 |
| 10/03/2019 22:00 | 34.0366 |
| 10/03/2019 23:00 | 34.0383 |
| 11/03/2019 00:00 | 34.0456 |
| 11/03/2019 01:00 | 34.064 |
| 11/03/2019 02:00 | 34.0804 |
| 11/03/2019 03:00 | 34.0995 |
| 11/03/2019 04:00 | 34.1139 |
| 11/03/2019 05:00 | 35.288 |
| 11/03/2019 06:00 | 34.4803 |
| 11/03/2019 07:00 | 34.6908 |
| 11/03/2019 08:00 | 34.8186 |
| 11/03/2019 09:00 | 34.2242 |
| 11/03/2019 10:00 | 35.2893 |
| 11/03/2019 11:00 | 34.4818 |
| 11/03/2019 12:00 | 34.6923 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 13:00 | 34.8199 |
| 11/03/2019 14:00 | 34.2256 |
| 11/03/2019 15:00 | 34.2108 |
| 11/03/2019 16:00 | 34.0907 |
| 11/03/2019 17:00 | 33.7816 |
| 11/03/2019 18:00 | 33.7656 |
| 11/03/2019 19:00 | 33.9165 |
| 11/03/2019 20:00 | 33.8556 |
| 11/03/2019 21:00 | 33.8626 |
| 11/03/2019 22:00 | 33.8768 |
| 11/03/2019 23:00 | 33.8936 |
| 12/03/2019 00:00 | 33.9407 |
| 12/03/2019 01:00 | 33.9806 |
| 12/03/2019 02:00 | 34.011 |
| 12/03/2019 03:00 | 34.0714 |
| 12/03/2019 04:00 | 34.1361 |
| 13/03/2019 05:00 | 36.4661 |
| 13/03/2019 06:00 | 36.3763 |
| 13/03/2019 07:00 | 36.2929 |
| 13/03/2019 08:00 | 36.221 |
| 13/03/2019 09:00 | 36.1594 |
| 13/03/2019 10:00 | 36.1051 |
| 13/03/2019 11:00 | 36.0431 |
| 13/03/2019 12:00 | 35.9955 |
| 13/03/2019 13:00 | 35.9558 |
| 13/03/2019 14:00 | 35.8775 |
| 13/03/2019 15:00 | 35.828 |
| 13/03/2019 16:00 | 35.7766 |
| 13/03/2019 17:00 | 35.7544 |
| 13/03/2019 18:00 | 35.7017 |
| 13/03/2019 19:00 | 35.6706 |
| 13/03/2019 20:00 | 35.6453 |
| 13/03/2019 21:00 | 35.618 |
| 13/03/2019 22:00 | 35.6031 |
| 13/03/2019 23:00 | 35.5875 |
| 14/03/2019 00:00 | 35.5737 |
| 14/03/2019 01:00 | 35.5616 |
| 14/03/2019 02:00 | 35.5475 |
| 14/03/2019 03:00 | 35.5359 |
| 14/03/2019 04:00 | 35.5306 |
| 14/03/2019 05:00 | 35.5232 |
| 14/03/2019 06:00 | 35.5223 |
| 14/03/2019 07:00 | 35.5207 |
| 14/03/2019 08:00 | 35.5187 |
| 14/03/2019 09:00 | 35.5157 |
| 14/03/2019 10:00 | 35.515 |
| 14/03/2019 11:00 | 35.5144 |
| 14/03/2019 12:00 | 35.5101 |
| 14/03/2019 13:00 | 29.6073 |
| 14/03/2019 14:00 | 35.5034 |
| 14/03/2019 15:00 | 35.4937 |
| 14/03/2019 16:00 | 35.4833 |
| 14/03/2019 17:00 | 35.4814 |
| 14/03/2019 18:00 | 35.4719 |
| 14/03/2019 19:00 | 35.4712 |
| 14/03/2019 20:00 | 35.4672 |
| 14/03/2019 21:00 | 35.464 |
| 14/03/2019 22:00 | 35.4582 |
| 14/03/2019 23:00 | 35.4555 |
| 15/03/2019 00:00 | 35.4514 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 15/03/2019 01:00 | 35.4419 |
| 15/03/2019 02:00 | 35.4313 |
| 15/03/2019 03:00 | 35.4141 |
| 15/03/2019 04:00 | 35.4094 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 40 CPG Nuevo Pemex | 34.0407 |
| 09/03/2019 | CRE 40 CPG Nuevo Pemex | 33.761 |
| 10/03/2019 | CRE 40 CPG Nuevo Pemex | 33.7449 |
| 11/03/2019 | CRE 40 CPG Nuevo Pemex | 34.0401 |
| 12/03/2019 | CRE 40 CPG Nuevo Pemex | 34.0411 |
| 13/03/2019 | CRE 40 CPG Nuevo Pemex | 33.9768 |
| 14/03/2019 | CRE 40 CPG Nuevo Pemex | 33.9235 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 05:00 | 34.3964 |
| 08/03/2019 06:00 | 34.5523 |
| 08/03/2019 07:00 | 34.5895 |
| 08/03/2019 08:00 | 33.7402 |
| 08/03/2019 09:00 | 34.5357 |
| 08/03/2019 10:00 | 34.0416 |
| 08/03/2019 11:00 | 33.9917 |
| 08/03/2019 12:00 | 34.0133 |
| 08/03/2019 13:00 | 33.9701 |
| 08/03/2019 14:00 | 33.8316 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 15:00 | 33.8768 |
| 08/03/2019 16:00 | 33.9655 |
| 08/03/2019 17:00 | 34.043 |
| 08/03/2019 18:00 | 34.0108 |
| 08/03/2019 19:00 | 34.0324 |
| 08/03/2019 20:00 | 33.9743 |
| 08/03/2019 21:00 | 34.052 |
| 08/03/2019 22:00 | 34.0613 |
| 08/03/2019 23:00 | 33.967 |
| 09/03/2019 00:00 | 33.9438 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 01:00 | 33.8306 |
| 09/03/2019 02:00 | 33.8348 |
| 09/03/2019 03:00 | 33.816 |
| 09/03/2019 04:00 | 33.9057 |
| 09/03/2019 05:00 | 33.7878 |
| 09/03/2019 06:00 | 33.7893 |
| 09/03/2019 07:00 | 33.6884 |
| 09/03/2019 08:00 | 33.6231 |
| 09/03/2019 09:00 | 33.7213 |
| 09/03/2019 10:00 | 33.8341 |
| 09/03/2019 11:00 | 34.0243 |
| 09/03/2019 12:00 | 33.8569 |
| 09/03/2019 13:00 | 33.8292 |
| 09/03/2019 14:00 | 33.7814 |
| 09/03/2019 15:00 | 33.7442 |
| 09/03/2019 16:00 | 33.7473 |
| 09/03/2019 17:00 | 33.7304 |
| 09/03/2019 18:00 | 33.7361 |
| 09/03/2019 19:00 | 33.7224 |
| 09/03/2019 20:00 | 33.8259 |
| 09/03/2019 21:00 | 33.7225 |
| 09/03/2019 22:00 | 33.8053 |
| 09/03/2019 23:00 | 33.6431 |
| 10/03/2019 00:00 | 33.658 |
| 10/03/2019 01:00 | 33.7781 |
| 10/03/2019 02:00 | 33.6767 |
| 10/03/2019 03:00 | 33.7441 |
| 10/03/2019 04:00 | 33.7947 |
| 10/03/2019 05:00 | 33.7163 |
| 10/03/2019 06:00 | 33.7508 |
| 10/03/2019 07:00 | 33.6947 |
| 10/03/2019 08:00 | 33.8232 |
| 10/03/2019 09:00 | 33.7842 |
| 10/03/2019 10:00 | 33.7693 |
| 10/03/2019 11:00 | 33.8472 |
| 10/03/2019 12:00 | 33.8292 |
| 10/03/2019 13:00 | 33.8244 |
| 10/03/2019 14:00 | 33.8297 |
| 10/03/2019 15:00 | 33.6913 |
| 10/03/2019 16:00 | 33.6432 |
| 10/03/2019 17:00 | 33.716 |
| 10/03/2019 18:00 | 33.7556 |
| 10/03/2019 19:00 | 33.7381 |
| 10/03/2019 20:00 | 33.6258 |
| 10/03/2019 21:00 | 33.7756 |
| 10/03/2019 22:00 | 33.8748 |
| 10/03/2019 23:00 | 33.6918 |
| 11/03/2019 00:00 | 33.6674 |
| 11/03/2019 01:00 | 33.6936 |
| 11/03/2019 02:00 | 33.6726 |
| 11/03/2019 03:00 | 33.74 |
| 11/03/2019 04:00 | 33.7233 |
| 11/03/2019 05:00 | 33.6819 |
| 11/03/2019 06:00 | 34.1964 |
| 11/03/2019 07:00 | 33.9871 |
| 11/03/2019 08:00 | 33.7857 |
| 11/03/2019 09:00 | 34.1222 |
| 11/03/2019 10:00 | 34.3267 |
| 11/03/2019 11:00 | 34.5828 |
| 11/03/2019 12:00 | 35.8092 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 13:00 | 34.6526 |
| 11/03/2019 14:00 | 34.1413 |
| 11/03/2019 15:00 | 34.1804 |
| 11/03/2019 16:00 | 33.9559 |
| 11/03/2019 17:00 | 33.7031 |
| 11/03/2019 18:00 | 33.8127 |
| 11/03/2019 19:00 | 33.9086 |
| 11/03/2019 20:00 | 33.823 |
| 11/03/2019 21:00 | 33.8624 |
| 11/03/2019 22:00 | 33.8611 |
| 11/03/2019 23:00 | 33.7347 |
| 12/03/2019 00:00 | 33.7722 |
| 12/03/2019 01:00 | 33.7135 |
| 12/03/2019 02:00 | 33.7923 |
| 12/03/2019 03:00 | 33.7683 |
| 12/03/2019 04:00 | 33.7884 |
| 12/03/2019 05:00 | 33.699 |
| 12/03/2019 06:00 | 33.6249 |
| 12/03/2019 07:00 | 33.593 |
| 12/03/2019 08:00 | 33.6329 |
| 12/03/2019 09:00 | 33.5863 |
| 12/03/2019 10:00 | 33.6174 |
| 12/03/2019 11:00 | 33.9479 |
| 12/03/2019 12:00 | 35.2948 |
| 12/03/2019 13:00 | 36.6845 |
| 12/03/2019 14:00 | 36.5568 |
| 12/03/2019 15:00 | 34.8489 |
| 12/03/2019 16:00 | 34.6417 |
| 12/03/2019 17:00 | 33.9391 |
| 12/03/2019 18:00 | 33.3929 |
| 12/03/2019 19:00 | 33.4019 |
| 12/03/2019 20:00 | 33.3677 |
| 12/03/2019 21:00 | 33.3785 |
| 12/03/2019 22:00 | 33.4281 |
| 12/03/2019 23:00 | 33.5468 |
| 13/03/2019 00:00 | 33.802 |
| 13/03/2019 01:00 | 33.7111 |
| 13/03/2019 02:00 | 33.6767 |
| 13/03/2019 03:00 | 33.862 |
| 13/03/2019 04:00 | 33.7507 |
| 13/03/2019 05:00 | 33.6688 |
| 13/03/2019 06:00 | 33.7033 |
| 13/03/2019 07:00 | 33.8432 |
| 13/03/2019 08:00 | 33.8676 |
| 13/03/2019 09:00 | 33.9529 |
| 13/03/2019 10:00 | 33.883 |
| 13/03/2019 11:00 | 33.9143 |
| 13/03/2019 12:00 | 33.9491 |
| 13/03/2019 13:00 | 34.1704 |
| 13/03/2019 14:00 | 33.8267 |
| 13/03/2019 15:00 | 33.8326 |
| 13/03/2019 16:00 | 34.0123 |
| 13/03/2019 17:00 | 34.0127 |
| 13/03/2019 18:00 | 34.0912 |
| 13/03/2019 19:00 | 33.9955 |
| 13/03/2019 20:00 | 34.0282 |
| 13/03/2019 21:00 | 34.0095 |
| 13/03/2019 22:00 | 34.0535 |
| 13/03/2019 23:00 | 34.3048 |
| 14/03/2019 00:00 | 34.3351 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 14/03/2019 01:00 | 34.1362 |
| 14/03/2019 02:00 | 33.9562 |
| 14/03/2019 03:00 | 33.915 |
| 14/03/2019 04:00 | 33.981 |
| 14/03/2019 05:00 | 34.0466 |
| 14/03/2019 06:00 | 34.1003 |
| 14/03/2019 07:00 | 34.3314 |
| 14/03/2019 08:00 | 34.2481 |
| 14/03/2019 09:00 | 34.1858 |
| 14/03/2019 10:00 | 34.1837 |
| 14/03/2019 11:00 | 34.3544 |
| 14/03/2019 12:00 | 34.0926 |
| 14/03/2019 13:00 | 33.975 |
| 14/03/2019 14:00 | 34.0579 |
| 14/03/2019 15:00 | 33.8152 |
| 14/03/2019 16:00 | 33.829 |
| 14/03/2019 17:00 | 33.874 |
| 14/03/2019 18:00 | 33.8015 |
| 14/03/2019 19:00 | 33.7635 |
| 14/03/2019 20:00 | 33.6985 |
| 14/03/2019 21:00 | 33.6883 |
| 14/03/2019 22:00 | 33.7293 |
| 14/03/2019 23:00 | 33.6619 |
| 15/03/2019 00:00 | 33.6837 |
| 15/03/2019 01:00 | 33.7194 |
| 15/03/2019 02:00 | 33.8174 |
| 15/03/2019 03:00 | 33.7575 |
| 15/03/2019 04:00 | 33.7486 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 37 CPG Ciudad Pemex | 34.359 |
| 09/03/2019 | CRE 37 CPG Ciudad Pemex | 34.8729 |
| 10/03/2019 | CRE 37 CPG Ciudad Pemex | 34.6496 |
| 11/03/2019 | CRE 37 CPG Ciudad Pemex | 34.2668 |
| 13/03/2019 | CRE 37 CPG Ciudad Pemex | 35.8512 |
| 14/03/2019 | CRE 37 CPG Ciudad Pemex | 35.2352 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 05:00 | 34.1296 |
| 08/03/2019 06:00 | 34.1352 |
| 08/03/2019 07:00 | 34.1382 |
| 08/03/2019 08:00 | 34.1503 |
| 08/03/2019 09:00 | 34.154 |
| 08/03/2019 10:00 | 34.5848 |
| 08/03/2019 11:00 | 35.2886 |
| 08/03/2019 12:00 | 37.1532 |
| 08/03/2019 13:00 | 34.3783 |
| 08/03/2019 14:00 | 34.5848 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 15:00 | 35.2886 |
| 08/03/2019 16:00 | 34.0089 |
| 08/03/2019 17:00 | 34.025 |
| 08/03/2019 18:00 | 34.0229 |
| 08/03/2019 19:00 | 34.025 |
| 08/03/2019 20:00 | 34.0266 |
| 08/03/2019 21:00 | 34.0336 |
| 08/03/2019 22:00 | 34.038 |
| 08/03/2019 23:00 | 34.0397 |
| 09/03/2019 00:00 | 34.047 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 01:00 | 34.0654 |
| 09/03/2019 02:00 | 34.0818 |
| 09/03/2019 03:00 | 34.1008 |
| 09/03/2019 04:00 | 34.1152 |
| 09/03/2019 05:00 | 35.6626 |
| 09/03/2019 06:00 | 35.6628 |
| 09/03/2019 07:00 | 35.6644 |
| 09/03/2019 08:00 | 35.6633 |
| 09/03/2019 09:00 | 35.6536 |
| 09/03/2019 10:00 | 35.6397 |
| 09/03/2019 11:00 | 35.6296 |
| 09/03/2019 12:00 | 35.6194 |
| 09/03/2019 13:00 | 35.6099 |
| 09/03/2019 14:00 | 35.5963 |
| 09/03/2019 15:00 | 35.5898 |
| 09/03/2019 16:00 | 35.5718 |
| 09/03/2019 17:00 | 34.2566 |
| 09/03/2019 18:00 | 34.2558 |
| 09/03/2019 19:00 | 34.2442 |
| 09/03/2019 20:00 | 34.2334 |
| 09/03/2019 21:00 | 34.1898 |
| 09/03/2019 22:00 | 34.1066 |
| 09/03/2019 23:00 | 34.076 |
| 10/03/2019 00:00 | 34.0365 |
| 10/03/2019 01:00 | 34.0141 |
| 10/03/2019 02:00 | 34.0037 |
| 10/03/2019 03:00 | 33.985 |
| 10/03/2019 04:00 | 33.9838 |
| 10/03/2019 05:00 | 35.6626 |
| 10/03/2019 06:00 | 35.6628 |
| 10/03/2019 07:00 | 35.6644 |
| 10/03/2019 08:00 | 35.6633 |
| 10/03/2019 09:00 | 35.6536 |
| 10/03/2019 10:00 | 35.6397 |
| 10/03/2019 11:00 | 35.6296 |
| 10/03/2019 12:00 | 35.6194 |
| 10/03/2019 13:00 | 33.9829 |
| 10/03/2019 14:00 | 33.9882 |
| 10/03/2019 15:00 | 33.9812 |
| 10/03/2019 16:00 | 33.972 |
| 10/03/2019 17:00 | 33.9495 |
| 10/03/2019 18:00 | 33.9116 |
| 10/03/2019 19:00 | 34.7085 |
| 10/03/2019 20:00 | 35.3798 |
| 10/03/2019 21:00 | 34.0336 |
| 10/03/2019 22:00 | 34.038 |
| 10/03/2019 23:00 | 34.0397 |
| 11/03/2019 00:00 | 34.047 |
| 11/03/2019 01:00 | 34.0654 |
| 11/03/2019 02:00 | 34.0818 |
| 11/03/2019 03:00 | 34.1008 |
| 11/03/2019 04:00 | 34.1152 |
| 11/03/2019 05:00 | 35.2893 |
| 11/03/2019 06:00 | 34.4816 |
| 11/03/2019 07:00 | 34.6921 |
| 11/03/2019 08:00 | 34.8198 |
| 11/03/2019 09:00 | 34.2253 |
| 11/03/2019 10:00 | 35.2893 |
| 11/03/2019 11:00 | 34.4816 |
| 11/03/2019 12:00 | 34.6921 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 13:00 | 34.8198 |
| 11/03/2019 14:00 | 34.2253 |
| 11/03/2019 15:00 | 34.2105 |
| 11/03/2019 16:00 | 34.0904 |
| 11/03/2019 17:00 | 33.7812 |
| 11/03/2019 18:00 | 33.7651 |
| 11/03/2019 19:00 | 33.9161 |
| 11/03/2019 20:00 | 33.8552 |
| 11/03/2019 21:00 | 33.8622 |
| 11/03/2019 22:00 | 33.8764 |
| 11/03/2019 23:00 | 33.8931 |
| 12/03/2019 00:00 | 33.9403 |
| 12/03/2019 01:00 | 33.9802 |
| 12/03/2019 02:00 | 34.0106 |
| 12/03/2019 03:00 | 34.071 |
| 12/03/2019 04:00 | 34.1358 |
| 13/03/2019 05:00 | 36.4664 |
| 13/03/2019 06:00 | 36.3766 |
| 13/03/2019 07:00 | 36.2932 |
| 13/03/2019 08:00 | 36.2212 |
| 13/03/2019 09:00 | 36.1596 |
| 13/03/2019 10:00 | 36.1053 |
| 13/03/2019 11:00 | 36.0432 |
| 13/03/2019 12:00 | 35.9956 |
| 13/03/2019 13:00 | 35.9559 |
| 13/03/2019 14:00 | 35.8776 |
| 13/03/2019 15:00 | 35.8281 |
| 13/03/2019 16:00 | 35.7767 |
| 13/03/2019 17:00 | 35.7544 |
| 13/03/2019 18:00 | 35.7017 |
| 13/03/2019 19:00 | 35.6706 |
| 13/03/2019 20:00 | 35.6453 |
| 13/03/2019 21:00 | 35.618 |
| 13/03/2019 22:00 | 35.603 |
| 13/03/2019 23:00 | 35.5875 |
| 14/03/2019 00:00 | 35.5737 |
| 14/03/2019 01:00 | 35.5616 |
| 14/03/2019 02:00 | 35.5475 |
| 14/03/2019 03:00 | 35.5358 |
| 14/03/2019 04:00 | 35.5306 |
| 14/03/2019 05:00 | 35.5231 |
| 14/03/2019 06:00 | 35.5222 |
| 14/03/2019 07:00 | 35.5207 |
| 14/03/2019 08:00 | 35.5187 |
| 14/03/2019 09:00 | 35.5156 |
| 14/03/2019 10:00 | 35.5149 |
| 14/03/2019 11:00 | 35.5144 |
| 14/03/2019 12:00 | 35.51 |
| 14/03/2019 13:00 | 29.6081 |
| 14/03/2019 14:00 | 35.5034 |
| 14/03/2019 15:00 | 35.4936 |
| 14/03/2019 16:00 | 35.4832 |
| 14/03/2019 17:00 | 35.4813 |
| 14/03/2019 18:00 | 35.4719 |
| 14/03/2019 19:00 | 35.4711 |
| 14/03/2019 20:00 | 35.4671 |
| 14/03/2019 21:00 | 35.4639 |
| 14/03/2019 22:00 | 35.4582 |
| 14/03/2019 23:00 | 35.4554 |
| 15/03/2019 00:00 | 35.4513 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 15/03/2019 01:00 | 35.4418 |
| 15/03/2019 02:00 | 35.4312 |
| 15/03/2019 03:00 | 35.414 |
| 15/03/2019 04:00 | 35.4093 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 35 Troncal 48" | 34.042 |
| 09/03/2019 | CRE 35 Troncal 48" | 33.7803 |
| 10/03/2019 | CRE 35 Troncal 48" | 33.6468 |
| 11/03/2019 | CRE 35 Troncal 48" | 34.0376 |
| 12/03/2019 | CRE 35 Troncal 48" | 34.0717 |
| 13/03/2019 | CRE 35 Troncal 48" | 33.9997 |
| 14/03/2019 | CRE 35 Troncal 48" | 33.9389 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 09:00 | 34.5233 |
| 08/03/2019 10:00 | 34.0463 |
| 08/03/2019 11:00 | 34.024 |
| 08/03/2019 12:00 | 34.0733 |
| 08/03/2019 13:00 | 33.9749 |
| 08/03/2019 14:00 | 33.8377 |
| 08/03/2019 15:00 | 33.8933 |
| 08/03/2019 16:00 | 33.9604 |
| 08/03/2019 17:00 | 34.0373 |
| 08/03/2019 18:00 | 34.0049 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 19:00 | 34.0272 |
| 08/03/2019 20:00 | 33.9697 |
| 08/03/2019 21:00 | 34.0472 |
| 08/03/2019 22:00 | 34.0556 |
| 08/03/2019 23:00 | 33.9631 |
| 09/03/2019 00:00 | 33.9407 |
| 09/03/2019 01:00 | 33.8297 |
| 09/03/2019 02:00 | 33.8341 |
| 09/03/2019 03:00 | 33.8156 |
| 09/03/2019 04:00 | 33.9027 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 05:00 | 34.3867 |
| 09/03/2019 06:00 | 34.5397 |
| 09/03/2019 07:00 | 34.5772 |
| 09/03/2019 08:00 | 33.7424 |
| 09/03/2019 09:00 | 33.7455 |
| 09/03/2019 10:00 | 33.8569 |
| 09/03/2019 11:00 | 34.2485 |
| 09/03/2019 12:00 | 33.8797 |
| 09/03/2019 13:00 | 33.8515 |
| 09/03/2019 14:00 | 33.804 |
| 09/03/2019 15:00 | 33.768 |
| 09/03/2019 16:00 | 33.7368 |
| 09/03/2019 17:00 | 33.7341 |
| 09/03/2019 18:00 | 33.7389 |
| 09/03/2019 19:00 | 33.7262 |
| 09/03/2019 20:00 | 33.8279 |
| 09/03/2019 21:00 | 33.7246 |
| 09/03/2019 22:00 | 33.8047 |
| 09/03/2019 23:00 | 33.6454 |
| 10/03/2019 00:00 | 33.659 |
| 10/03/2019 01:00 | 33.7764 |
| 10/03/2019 02:00 | 33.6773 |
| 10/03/2019 03:00 | 33.7428 |
| 10/03/2019 04:00 | 33.7925 |
| 10/03/2019 05:00 | 33.8128 |
| 10/03/2019 06:00 | 33.8118 |
| 10/03/2019 07:00 | 33.7128 |
| 10/03/2019 08:00 | 33.65 |
| 10/03/2019 09:00 | 33.8068 |
| 10/03/2019 10:00 | 33.7862 |
| 10/03/2019 11:00 | 33.8685 |
| 10/03/2019 12:00 | 33.8509 |
| 10/03/2019 13:00 | 33.4871 |
| 10/03/2019 14:00 | 32.8814 |
| 10/03/2019 15:00 | 33.6923 |
| 10/03/2019 16:00 | 33.6431 |
| 10/03/2019 17:00 | 33.7141 |
| 10/03/2019 18:00 | 32.8058 |
| 10/03/2019 19:00 | 33.7478 |
| 10/03/2019 20:00 | 33.6489 |
| 10/03/2019 21:00 | 33.7754 |
| 10/03/2019 22:00 | 33.8729 |
| 10/03/2019 23:00 | 33.6932 |
| 11/03/2019 00:00 | 33.6682 |
| 11/03/2019 01:00 | 33.6942 |
| 11/03/2019 02:00 | 33.6739 |
| 11/03/2019 03:00 | 33.7402 |
| 11/03/2019 04:00 | 33.7256 |
| 11/03/2019 05:00 | 33.7416 |
| 11/03/2019 06:00 | 33.774 |
| 11/03/2019 07:00 | 33.7195 |
| 11/03/2019 08:00 | 33.5108 |
| 11/03/2019 09:00 | 34.117 |
| 11/03/2019 10:00 | 34.3357 |
| 11/03/2019 11:00 | 34.5718 |
| 11/03/2019 12:00 | 35.7793 |
| 11/03/2019 13:00 | 34.6473 |
| 11/03/2019 14:00 | 34.1352 |
| 11/03/2019 15:00 | 34.1733 |
| 11/03/2019 16:00 | 33.9522 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 17:00 | 33.6998 |
| 11/03/2019 18:00 | 33.8062 |
| 11/03/2019 19:00 | 33.9042 |
| 11/03/2019 20:00 | 33.818 |
| 11/03/2019 21:00 | 33.8569 |
| 11/03/2019 22:00 | 33.8566 |
| 11/03/2019 23:00 | 33.732 |
| 12/03/2019 00:00 | 33.77 |
| 12/03/2019 01:00 | 33.7127 |
| 12/03/2019 02:00 | 33.7904 |
| 12/03/2019 03:00 | 33.7688 |
| 12/03/2019 04:00 | 33.7886 |
| 12/03/2019 05:00 | 33.7019 |
| 12/03/2019 06:00 | 34.1944 |
| 12/03/2019 07:00 | 33.9928 |
| 12/03/2019 08:00 | 33.7978 |
| 12/03/2019 09:00 | 33.5976 |
| 12/03/2019 10:00 | 33.631 |
| 12/03/2019 11:00 | 33.9572 |
| 12/03/2019 12:00 | 35.2814 |
| 12/03/2019 13:00 | 36.6577 |
| 12/03/2019 14:00 | 36.5574 |
| 12/03/2019 15:00 | 34.8804 |
| 12/03/2019 16:00 | 34.6786 |
| 12/03/2019 17:00 | 33.9888 |
| 12/03/2019 18:00 | 33.4507 |
| 12/03/2019 19:00 | 33.3957 |
| 12/03/2019 20:00 | 33.4238 |
| 12/03/2019 21:00 | 33.4318 |
| 12/03/2019 22:00 | 33.4807 |
| 12/03/2019 23:00 | 33.5953 |
| 13/03/2019 00:00 | 33.8438 |
| 13/03/2019 01:00 | 33.7537 |
| 13/03/2019 02:00 | 33.7186 |
| 13/03/2019 03:00 | 33.8988 |
| 13/03/2019 04:00 | 33.7884 |
| 13/03/2019 05:00 | 33.7021 |
| 13/03/2019 06:00 | 33.6305 |
| 13/03/2019 07:00 | 33.5995 |
| 13/03/2019 08:00 | 33.7762 |
| 13/03/2019 09:00 | 33.9804 |
| 13/03/2019 10:00 | 33.9115 |
| 13/03/2019 11:00 | 33.94 |
| 13/03/2019 12:00 | 33.9737 |
| 13/03/2019 13:00 | 34.1914 |
| 13/03/2019 14:00 | 33.853 |
| 13/03/2019 15:00 | 33.8576 |
| 13/03/2019 16:00 | 34.0335 |
| 13/03/2019 17:00 | 34.0326 |
| 13/03/2019 18:00 | 34.1103 |
| 13/03/2019 19:00 | 34.0168 |
| 13/03/2019 20:00 | 34.0477 |
| 13/03/2019 21:00 | 34.0283 |
| 13/03/2019 22:00 | 34.0724 |
| 13/03/2019 23:00 | 34.3178 |
| 14/03/2019 00:00 | 34.347 |
| 14/03/2019 01:00 | 34.1526 |
| 14/03/2019 02:00 | 33.9743 |
| 14/03/2019 03:00 | 33.9341 |
| 14/03/2019 04:00 | 33.9991 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 14/03/2019 05:00 | 33.7068 |
| 14/03/2019 06:00 | 33.7391 |
| 14/03/2019 07:00 | 33.875 |
| 14/03/2019 08:00 | 33.8976 |
| 14/03/2019 09:00 | 34.1994 |
| 14/03/2019 10:00 | 34.1981 |
| 14/03/2019 11:00 | 34.3649 |
| 14/03/2019 12:00 | 34.108 |
| 14/03/2019 13:00 | 33.905 |
| 14/03/2019 14:00 | 34.0749 |
| 14/03/2019 15:00 | 33.8382 |
| 14/03/2019 16:00 | 33.8504 |
| 14/03/2019 17:00 | 33.8929 |
| 14/03/2019 18:00 | 33.824 |
| 14/03/2019 19:00 | 33.7871 |
| 14/03/2019 20:00 | 33.7232 |
| 14/03/2019 21:00 | 33.712 |
| 14/03/2019 22:00 | 33.7508 |
| 14/03/2019 23:00 | 33.6859 |
| 15/03/2019 00:00 | 33.7074 |
| 15/03/2019 01:00 | 33.7425 |
| 15/03/2019 02:00 | 33.8363 |
| 15/03/2019 03:00 | 33.7795 |
| 15/03/2019 04:00 | 33.7707 |
| 15/03/2019 05:00 | 34.0631 |
| 15/03/2019 06:00 | 34.1159 |
| 15/03/2019 07:00 | 34.3431 |
| 15/03/2019 08:00 | 34.2611 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 39 KM-100 | 34.6134 |
| 09/03/2019 | CRE 39 KM-100 | 34.8731 |
| 10/03/2019 | CRE 39 KM-100 | 34.5094 |
| 11/03/2019 | CRE 39 KM-100 | 34.1817 |
| 13/03/2019 | CRE 39 KM-100 | 35.7151 |
| 14/03/2019 | CRE 39 KM-100 | 35.213 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 09:00 | 34.1542 |
| 08/03/2019 10:00 | 34.585 |
| 08/03/2019 11:00 | 35.2888 |
| 08/03/2019 12:00 | 37.1534 |
| 08/03/2019 13:00 | 34.3785 |
| 08/03/2019 14:00 | 34.585 |
| 08/03/2019 15:00 | 35.2888 |
| 08/03/2019 16:00 | 34.0092 |
| 08/03/2019 17:00 | 34.0252 |
| 08/03/2019 18:00 | 34.0231 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 19:00 | 34.0252 |
| 08/03/2019 20:00 | 34.0269 |
| 08/03/2019 21:00 | 34.0339 |
| 08/03/2019 22:00 | 34.0382 |
| 08/03/2019 23:00 | 34.04 |
| 09/03/2019 00:00 | 34.0472 |
| 09/03/2019 01:00 | 34.0656 |
| 09/03/2019 02:00 | 34.082 |
| 09/03/2019 03:00 | 34.1011 |
| 09/03/2019 04:00 | 34.1155 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 05:00 | 35.6629 |
| 09/03/2019 06:00 | 35.6631 |
| 09/03/2019 07:00 | 35.6646 |
| 09/03/2019 08:00 | 35.6636 |
| 09/03/2019 09:00 | 35.6538 |
| 09/03/2019 10:00 | 35.64 |
| 09/03/2019 11:00 | 35.6298 |
| 09/03/2019 12:00 | 35.6196 |
| 09/03/2019 13:00 | 35.6101 |
| 09/03/2019 14:00 | 35.5966 |
| 09/03/2019 15:00 | 35.59 |
| 09/03/2019 16:00 | 35.572 |
| 09/03/2019 17:00 | 34.2568 |
| 09/03/2019 18:00 | 34.256 |
| 09/03/2019 19:00 | 34.2445 |
| 09/03/2019 20:00 | 34.2336 |
| 09/03/2019 21:00 | 34.1901 |
| 09/03/2019 22:00 | 34.1068 |
| 09/03/2019 23:00 | 34.0762 |
| 10/03/2019 00:00 | 34.0367 |
| 10/03/2019 01:00 | 34.0143 |
| 10/03/2019 02:00 | 34.0039 |
| 10/03/2019 03:00 | 33.9853 |
| 10/03/2019 04:00 | 33.984 |
| 10/03/2019 05:00 | 35.6629 |
| 10/03/2019 06:00 | 35.6631 |
| 10/03/2019 07:00 | 35.6646 |
| 10/03/2019 08:00 | 35.6636 |
| 10/03/2019 09:00 | 35.6538 |
| 10/03/2019 10:00 | 35.64 |
| 10/03/2019 11:00 | 35.6298 |
| 10/03/2019 12:00 | 35.6196 |
| 10/03/2019 13:00 | 33.9831 |
| 10/03/2019 14:00 | 33.9885 |
| 10/03/2019 15:00 | 33.9814 |
| 10/03/2019 16:00 | 33.9723 |
| 10/03/2019 17:00 | 33.9497 |
| 10/03/2019 18:00 | 33.9119 |
| 10/03/2019 19:00 | 34.7087 |
| 10/03/2019 20:00 | 35.3801 |
| 10/03/2019 21:00 | 34.0339 |
| 10/03/2019 22:00 | 34.0382 |
| 10/03/2019 23:00 | 34.04 |
| 11/03/2019 00:00 | 34.0472 |
| 11/03/2019 01:00 | 34.0656 |
| 11/03/2019 02:00 | 34.082 |
| 11/03/2019 03:00 | 34.1011 |
| 11/03/2019 04:00 | 34.1155 |
| 11/03/2019 05:00 | 35.2895 |
| 11/03/2019 06:00 | 34.4818 |
| 11/03/2019 07:00 | 34.6923 |
| 11/03/2019 08:00 | 34.8201 |
| 11/03/2019 09:00 | 34.2255 |
| 11/03/2019 10:00 | 35.2895 |
| 11/03/2019 11:00 | 34.4818 |
| 11/03/2019 12:00 | 34.6923 |
| 11/03/2019 13:00 | 34.8201 |
| 11/03/2019 14:00 | 34.2255 |
| 11/03/2019 15:00 | 34.2107 |
| 11/03/2019 16:00 | 34.0906 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 17:00 | 33.7814 |
| 11/03/2019 18:00 | 33.7654 |
| 11/03/2019 19:00 | 33.9163 |
| 11/03/2019 20:00 | 33.8554 |
| 11/03/2019 21:00 | 33.8624 |
| 11/03/2019 22:00 | 33.8766 |
| 11/03/2019 23:00 | 33.8934 |
| 12/03/2019 00:00 | 33.9405 |
| 12/03/2019 01:00 | 33.9804 |
| 12/03/2019 02:00 | 34.0109 |
| 12/03/2019 03:00 | 34.0712 |
| 12/03/2019 04:00 | 34.136 |
| 12/03/2019 05:00 | 34.2043 |
| 12/03/2019 06:00 | 34.2625 |
| 12/03/2019 07:00 | 34.3294 |
| 12/03/2019 08:00 | 34.4394 |
| 13/03/2019 09:00 | 36.1599 |
| 13/03/2019 10:00 | 36.1055 |
| 13/03/2019 11:00 | 36.0435 |
| 13/03/2019 12:00 | 35.9958 |
| 13/03/2019 13:00 | 35.9562 |
| 13/03/2019 14:00 | 35.8779 |
| 13/03/2019 15:00 | 35.8283 |
| 13/03/2019 16:00 | 35.7769 |
| 13/03/2019 17:00 | 35.7546 |
| 13/03/2019 18:00 | 35.702 |
| 13/03/2019 19:00 | 35.6708 |
| 13/03/2019 20:00 | 35.6456 |
| 13/03/2019 21:00 | 35.6183 |
| 13/03/2019 22:00 | 35.6033 |
| 13/03/2019 23:00 | 35.5878 |
| 14/03/2019 00:00 | 35.5739 |
| 14/03/2019 01:00 | 35.5618 |
| 14/03/2019 02:00 | 35.5477 |
| 14/03/2019 03:00 | 35.5361 |
| 14/03/2019 04:00 | 35.5308 |
| 14/03/2019 05:00 | 35.5233 |
| 14/03/2019 06:00 | 35.5225 |
| 14/03/2019 07:00 | 35.5209 |
| 14/03/2019 08:00 | 35.5189 |
| 14/03/2019 09:00 | 35.5158 |
| 14/03/2019 10:00 | 35.5152 |
| 14/03/2019 11:00 | 35.5146 |
| 14/03/2019 12:00 | 35.5103 |
| 14/03/2019 13:00 | 29.6083 |
| 14/03/2019 14:00 | 35.5036 |
| 14/03/2019 15:00 | 35.4938 |
| 14/03/2019 16:00 | 35.4834 |
| 14/03/2019 17:00 | 35.4815 |
| 14/03/2019 18:00 | 35.4721 |
| 14/03/2019 19:00 | 35.4713 |
| 14/03/2019 20:00 | 35.4674 |
| 14/03/2019 21:00 | 35.4641 |
| 14/03/2019 22:00 | 35.4584 |
| 14/03/2019 23:00 | 35.4557 |
| 15/03/2019 00:00 | 35.4516 |
| 15/03/2019 01:00 | 35.442 |
| 15/03/2019 02:00 | 35.4315 |
| 15/03/2019 03:00 | 35.4142 |
| 15/03/2019 04:00 | 35.4096 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 15/03/2019 05:00 | 35.3955 |
| 15/03/2019 06:00 | 35.3904 |
| 15/03/2019 07:00 | 35.3851 |
| 15/03/2019 08:00 | 35.3762 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 35 Troncal 48" | 43.0536 |
| 09/03/2019 | CRE 35 Troncal 48" | 42.6914 |
| 10/03/2019 | CRE 35 Troncal 48" | 42.5584 |
| 11/03/2019 | CRE 35 Troncal 48" | 42.8371 |
| 12/03/2019 | CRE 35 Troncal 48" | 42.8923 |
| 13/03/2019 | CRE 35 Troncal 48" | 43.0199 |
| 14/03/2019 | CRE 35 Troncal 48" | 42.9538 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 09:00 | 43.3414 |
| 08/03/2019 10:00 | 43.0005 |
| 08/03/2019 11:00 | 42.9724 |
| 08/03/2019 12:00 | 43.0657 |
| 08/03/2019 13:00 | 42.9722 |
| 08/03/2019 14:00 | 42.7638 |
| 08/03/2019 15:00 | 42.8418 |
| 08/03/2019 16:00 | 42.9001 |
| 08/03/2019 17:00 | 42.9905 |
| 08/03/2019 18:00 | 42.949 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 19:00 | 43.0209 |
| 08/03/2019 20:00 | 42.9662 |
| 08/03/2019 21:00 | 43.096 |
| 08/03/2019 22:00 | 43.1185 |
| 08/03/2019 23:00 | 42.967 |
| 09/03/2019 00:00 | 42.9262 |
| 09/03/2019 01:00 | 42.7433 |
| 09/03/2019 02:00 | 42.7753 |
| 09/03/2019 03:00 | 42.7552 |
| 09/03/2019 04:00 | 42.8066 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 09/03/2019 05:00 | 43.6805 |
| 09/03/2019 06:00 | 43.9415 |
| 09/03/2019 07:00 | 44.0211 |
| 09/03/2019 08:00 | 42.6876 |
| 09/03/2019 09:00 | 42.6746 |
| 09/03/2019 10:00 | 42.827 |
| 09/03/2019 11:00 | 43.3102 |
| 09/03/2019 12:00 | 42.8046 |
| 09/03/2019 13:00 | 42.817 |
| 09/03/2019 14:00 | 42.7112 |
| 09/03/2019 15:00 | 42.6549 |
| 09/03/2019 16:00 | 42.5769 |
| 09/03/2019 17:00 | 42.61 |
| 09/03/2019 18:00 | 42.6189 |
| 09/03/2019 19:00 | 42.5811 |
| 09/03/2019 20:00 | 42.7605 |
| 09/03/2019 21:00 | 42.6093 |
| 09/03/2019 22:00 | 42.7403 |
| 09/03/2019 23:00 | 42.4975 |
| 10/03/2019 00:00 | 42.5201 |
| 10/03/2019 01:00 | 42.7154 |
| 10/03/2019 02:00 | 42.5607 |
| 10/03/2019 03:00 | 42.6684 |
| 10/03/2019 04:00 | 42.7579 |
| 10/03/2019 05:00 | 42.7307 |
| 10/03/2019 06:00 | 42.7453 |
| 10/03/2019 07:00 | 42.5875 |
| 10/03/2019 08:00 | 42.5144 |
| 10/03/2019 09:00 | 42.7725 |
| 10/03/2019 10:00 | 42.7363 |
| 10/03/2019 11:00 | 42.8444 |
| 10/03/2019 12:00 | 42.7908 |
| 10/03/2019 13:00 | 42.2217 |
| 10/03/2019 14:00 | 41.9861 |
| 10/03/2019 15:00 | 42.5404 |
| 10/03/2019 16:00 | 42.4596 |
| 10/03/2019 17:00 | 42.5799 |
| 10/03/2019 18:00 | 41.8596 |
| 10/03/2019 19:00 | 42.6438 |
| 10/03/2019 20:00 | 42.4898 |
| 10/03/2019 21:00 | 42.7016 |
| 10/03/2019 22:00 | 42.8586 |
| 10/03/2019 23:00 | 42.573 |
| 11/03/2019 00:00 | 42.5378 |
| 11/03/2019 01:00 | 42.5811 |
| 11/03/2019 02:00 | 42.5629 |
| 11/03/2019 03:00 | 42.6674 |
| 11/03/2019 04:00 | 42.657 |
| 11/03/2019 05:00 | 42.6731 |
| 11/03/2019 06:00 | 42.7236 |
| 11/03/2019 07:00 | 42.6368 |
| 11/03/2019 08:00 | 42.298 |
| 11/03/2019 09:00 | 42.8223 |
| 11/03/2019 10:00 | 43.1147 |
| 11/03/2019 11:00 | 43.3109 |
| 11/03/2019 12:00 | 44.2904 |
| 11/03/2019 13:00 | 43.1822 |
| 11/03/2019 14:00 | 42.8012 |
| 11/03/2019 15:00 | 42.9317 |
| 11/03/2019 16:00 | 42.7107 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 11/03/2019 17:00 | 42.4527 |
| 11/03/2019 18:00 | 42.6428 |
| 11/03/2019 19:00 | 42.819 |
| 11/03/2019 20:00 | 42.6801 |
| 11/03/2019 21:00 | 42.7311 |
| 11/03/2019 22:00 | 42.7819 |
| 11/03/2019 23:00 | 42.5914 |
| 12/03/2019 00:00 | 42.6385 |
| 12/03/2019 01:00 | 42.5439 |
| 12/03/2019 02:00 | 42.6577 |
| 12/03/2019 03:00 | 42.6281 |
| 12/03/2019 04:00 | 42.6794 |
| 12/03/2019 05:00 | 42.5973 |
| 12/03/2019 06:00 | 42.9658 |
| 12/03/2019 07:00 | 42.8333 |
| 12/03/2019 08:00 | 42.6581 |
| 12/03/2019 09:00 | 42.4163 |
| 12/03/2019 10:00 | 42.4502 |
| 12/03/2019 11:00 | 42.8936 |
| 12/03/2019 12:00 | 44.5638 |
| 12/03/2019 13:00 | 45.5642 |
| 12/03/2019 14:00 | 45.0755 |
| 12/03/2019 15:00 | 43.4586 |
| 12/03/2019 16:00 | 43.4145 |
| 12/03/2019 17:00 | 42.5766 |
| 12/03/2019 18:00 | 42.0631 |
| 12/03/2019 19:00 | 41.9661 |
| 12/03/2019 20:00 | 42.1523 |
| 12/03/2019 21:00 | 42.1866 |
| 12/03/2019 22:00 | 42.262 |
| 12/03/2019 23:00 | 42.4124 |
| 13/03/2019 00:00 | 42.7946 |
| 13/03/2019 01:00 | 42.6895 |
| 13/03/2019 02:00 | 42.6709 |
| 13/03/2019 03:00 | 42.8454 |
| 13/03/2019 04:00 | 42.6912 |
| 13/03/2019 05:00 | 42.5559 |
| 13/03/2019 06:00 | 42.4786 |
| 13/03/2019 07:00 | 42.4416 |
| 13/03/2019 08:00 | 42.7156 |
| 13/03/2019 09:00 | 43.0036 |
| 13/03/2019 10:00 | 42.8927 |
| 13/03/2019 11:00 | 42.9296 |
| 13/03/2019 12:00 | 42.9808 |
| 13/03/2019 13:00 | 43.3296 |
| 13/03/2019 14:00 | 42.7825 |
| 13/03/2019 15:00 | 42.754 |
| 13/03/2019 16:00 | 42.9612 |
| 13/03/2019 17:00 | 42.9126 |
| 13/03/2019 18:00 | 43.1029 |
| 13/03/2019 19:00 | 43.0519 |
| 13/03/2019 20:00 | 43.1398 |
| 13/03/2019 21:00 | 43.1554 |
| 13/03/2019 22:00 | 43.2423 |
| 13/03/2019 23:00 | 43.5066 |
| 14/03/2019 00:00 | 43.5264 |
| 14/03/2019 01:00 | 43.2186 |
| 14/03/2019 02:00 | 43.0122 |
| 14/03/2019 03:00 | 42.9833 |
| 14/03/2019 04:00 | 43.0737 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 14/03/2019 05:00 | 42.6141 |
| 14/03/2019 06:00 | 42.6398 |
| 14/03/2019 07:00 | 42.814 |
| 14/03/2019 08:00 | 42.8577 |
| 14/03/2019 09:00 | 43.3619 |
| 14/03/2019 10:00 | 43.3559 |
| 14/03/2019 11:00 | 43.6143 |
| 14/03/2019 12:00 | 43.193 |
| 14/03/2019 13:00 | 42.8586 |
| 14/03/2019 14:00 | 43.203 |
| 14/03/2019 15:00 | 42.7921 |
| 14/03/2019 16:00 | 42.776 |
| 14/03/2019 17:00 | 42.8366 |
| 14/03/2019 18:00 | 42.7501 |
| 14/03/2019 19:00 | 42.7216 |
| 14/03/2019 20:00 | 42.6286 |
| 14/03/2019 21:00 | 42.6077 |
| 14/03/2019 22:00 | 42.659 |
| 14/03/2019 23:00 | 42.5506 |
| 15/03/2019 00:00 | 42.6089 |
| 15/03/2019 01:00 | 42.6768 |
| 15/03/2019 02:00 | 42.826 |
| 15/03/2019 03:00 | 42.731 |
| 15/03/2019 04:00 | 42.712 |
| 15/03/2019 05:00 | 43.1541 |
| 15/03/2019 06:00 | 43.233 |
| 15/03/2019 07:00 | 43.5901 |
| 15/03/2019 08:00 | 43.4633 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 37 CPG Ciudad Pemex | 43.418 |
| 09/03/2019 | CRE 37 CPG Ciudad Pemex | 44.1232 |
| 10/03/2019 | CRE 37 CPG Ciudad Pemex | 43.8398 |
| 11/03/2019 | CRE 37 CPG Ciudad Pemex | 43.042 |
| 12/03/2019 | CRE 37 CPG Ciudad Pemex | 45.0769 |
| 13/03/2019 | CRE 37 CPG Ciudad Pemex | 45.0152 |
| 14/03/2019 | CRE 37 CPG Ciudad Pemex | 44.2004 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 05:00 | 43.1837 |
| 08/03/2019 06:00 | 43.1899 |
| 08/03/2019 07:00 | 43.195 |
| 08/03/2019 08:00 | 43.2146 |
| 08/03/2019 09:00 | 43.2132 |
| 08/03/2019 10:00 | 43.6808 |
| 08/03/2019 11:00 | 44.5696 |
| 08/03/2019 12:00 | 46.025 |
| 08/03/2019 13:00 | 43.4431 |
| 08/03/2019 14:00 | 43.6808 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 15:00 | 44.5696 |
| 08/03/2019 16:00 | 43.0202 |
| 08/03/2019 17:00 | 43.0401 |
| 08/03/2019 18:00 | 43.0366 |
| 08/03/2019 19:00 | 43.0399 |
| 08/03/2019 20:00 | 43.0504 |
| 08/03/2019 21:00 | 43.0608 |
| 08/03/2019 22:00 | 43.0669 |
| 08/03/2019 23:00 | 43.0703 |
| 09/03/2019 00:00 | 43.0824 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 09/03/2019 01:00 | 43.1049 |
| 09/03/2019 02:00 | 43.1249 |
| 09/03/2019 03:00 | 43.1483 |
| 09/03/2019 04:00 | 43.17 |
| 09/03/2019 05:00 | 45.1615 |
| 09/03/2019 06:00 | 45.1611 |
| 09/03/2019 07:00 | 45.1607 |
| 09/03/2019 08:00 | 45.1567 |
| 09/03/2019 09:00 | 45.1456 |
| 09/03/2019 10:00 | 45.1294 |
| 09/03/2019 11:00 | 45.1176 |
| 09/03/2019 12:00 | 45.1069 |
| 09/03/2019 13:00 | 45.0964 |
| 09/03/2019 14:00 | 45.0845 |
| 09/03/2019 15:00 | 45.074 |
| 09/03/2019 16:00 | 45.0576 |
| 09/03/2019 17:00 | 43.3124 |
| 09/03/2019 18:00 | 43.3117 |
| 09/03/2019 19:00 | 43.3002 |
| 09/03/2019 20:00 | 43.2814 |
| 09/03/2019 21:00 | 43.2219 |
| 09/03/2019 22:00 | 43.1121 |
| 09/03/2019 23:00 | 43.0728 |
| 10/03/2019 00:00 | 43.0224 |
| 10/03/2019 01:00 | 42.9943 |
| 10/03/2019 02:00 | 42.9838 |
| 10/03/2019 03:00 | 42.9577 |
| 10/03/2019 04:00 | 42.9562 |
| 10/03/2019 05:00 | 45.1615 |
| 10/03/2019 06:00 | 45.1611 |
| 10/03/2019 07:00 | 45.1607 |
| 10/03/2019 08:00 | 45.1567 |
| 10/03/2019 09:00 | 45.1456 |
| 10/03/2019 10:00 | 45.1294 |
| 10/03/2019 11:00 | 45.1176 |
| 10/03/2019 12:00 | 45.1069 |
| 10/03/2019 13:00 | 42.9655 |
| 10/03/2019 14:00 | 42.9706 |
| 10/03/2019 15:00 | 42.9583 |
| 10/03/2019 16:00 | 42.9479 |
| 10/03/2019 17:00 | 42.9189 |
| 10/03/2019 18:00 | 42.8755 |
| 10/03/2019 19:00 | 43.8556 |
| 10/03/2019 20:00 | 44.707 |
| 10/03/2019 21:00 | 43.0608 |
| 10/03/2019 22:00 | 43.0669 |
| 10/03/2019 23:00 | 43.0703 |
| 11/03/2019 00:00 | 43.0824 |
| 11/03/2019 01:00 | 43.1049 |
| 11/03/2019 02:00 | 43.1249 |
| 11/03/2019 03:00 | 43.1483 |
| 11/03/2019 04:00 | 43.17 |
| 11/03/2019 05:00 | 43.9887 |
| 11/03/2019 06:00 | 43.3319 |
| 11/03/2019 07:00 | 43.3765 |
| 11/03/2019 08:00 | 43.3855 |
| 11/03/2019 09:00 | 42.8516 |
| 11/03/2019 10:00 | 43.9887 |
| 11/03/2019 11:00 | 43.3319 |
| 11/03/2019 12:00 | 43.3765 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 11/03/2019 13:00 | 43.3855 |
| 11/03/2019 14:00 | 42.8516 |
| 11/03/2019 15:00 | 42.9685 |
| 11/03/2019 16:00 | 42.8311 |
| 11/03/2019 17:00 | 42.5453 |
| 11/03/2019 18:00 | 42.5532 |
| 11/03/2019 19:00 | 42.8267 |
| 11/03/2019 20:00 | 42.7382 |
| 11/03/2019 21:00 | 42.7372 |
| 11/03/2019 22:00 | 42.7618 |
| 11/03/2019 23:00 | 42.8065 |
| 12/03/2019 00:00 | 42.833 |
| 12/03/2019 01:00 | 42.8492 |
| 12/03/2019 02:00 | 42.8526 |
| 12/03/2019 03:00 | 42.8846 |
| 12/03/2019 04:00 | 42.9284 |
| 12/03/2019 05:00 | 42.9805 |
| 12/03/2019 06:00 | 43.0283 |
| 12/03/2019 07:00 | 43.0844 |
| 12/03/2019 08:00 | 43.1784 |
| 12/03/2019 09:00 | 43.3523 |
| 12/03/2019 10:00 | 43.5114 |
| 12/03/2019 11:00 | 43.652 |
| 12/03/2019 12:00 | 43.774 |
| 12/03/2019 13:00 | 44.675 |
| 12/03/2019 14:00 | 46.1049 |
| 12/03/2019 15:00 | 46.1809 |
| 12/03/2019 16:00 | 46.3162 |
| 12/03/2019 17:00 | 46.3396 |
| 12/03/2019 18:00 | 46.3353 |
| 12/03/2019 19:00 | 46.2483 |
| 12/03/2019 20:00 | 46.1772 |
| 12/03/2019 21:00 | 46.0403 |
| 12/03/2019 22:00 | 46.041 |
| 12/03/2019 23:00 | 45.9751 |
| 13/03/2019 00:00 | 45.8933 |
| 13/03/2019 01:00 | 45.8141 |
| 13/03/2019 02:00 | 45.7326 |
| 13/03/2019 03:00 | 45.6694 |
| 13/03/2019 04:00 | 45.586 |
| 13/03/2019 05:00 | 45.5156 |
| 13/03/2019 06:00 | 45.4442 |
| 13/03/2019 07:00 | 45.3749 |
| 13/03/2019 08:00 | 45.3154 |
| 13/03/2019 09:00 | 45.2642 |
| 13/03/2019 10:00 | 45.2184 |
| 13/03/2019 11:00 | 45.1657 |
| 13/03/2019 12:00 | 45.1237 |
| 13/03/2019 13:00 | 45.0908 |
| 13/03/2019 14:00 | 45.0199 |
| 13/03/2019 15:00 | 44.9797 |
| 13/03/2019 16:00 | 44.9383 |
| 13/03/2019 17:00 | 44.9211 |
| 13/03/2019 18:00 | 44.883 |
| 13/03/2019 19:00 | 44.8618 |
| 13/03/2019 20:00 | 44.8451 |
| 13/03/2019 21:00 | 44.8273 |
| 13/03/2019 22:00 | 44.8178 |
| 13/03/2019 23:00 | 44.8078 |
| 14/03/2019 00:00 | 44.7998 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 14/03/2019 01:00 | 44.793 |
| 14/03/2019 02:00 | 44.7857 |
| 14/03/2019 03:00 | 44.7802 |
| 14/03/2019 04:00 | 44.779 |
| 14/03/2019 05:00 | 44.7761 |
| 14/03/2019 06:00 | 44.7783 |
| 14/03/2019 07:00 | 44.78 |
| 14/03/2019 08:00 | 44.782 |
| 14/03/2019 09:00 | 44.7839 |
| 14/03/2019 10:00 | 44.7866 |
| 14/03/2019 11:00 | 44.787 |
| 14/03/2019 12:00 | 44.7843 |
| 14/03/2019 13:00 | 33.5522 |
| 14/03/2019 14:00 | 44.7755 |
| 14/03/2019 15:00 | 44.7626 |
| 14/03/2019 16:00 | 44.7546 |
| 14/03/2019 17:00 | 44.7476 |
| 14/03/2019 18:00 | 44.7352 |
| 14/03/2019 19:00 | 44.7282 |
| 14/03/2019 20:00 | 44.7187 |
| 14/03/2019 21:00 | 44.7039 |
| 14/03/2019 22:00 | 44.6828 |
| 14/03/2019 23:00 | 44.6692 |
| 15/03/2019 00:00 | 44.6571 |
| 15/03/2019 01:00 | 44.6455 |
| 15/03/2019 02:00 | 44.6363 |
| 15/03/2019 03:00 | 44.625 |
| 15/03/2019 04:00 | 44.6215 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 38 CPG Cactus | 43.4154 |
| 09/03/2019 | CRE 38 CPG Cactus | 44.1209 |
| 10/03/2019 | CRE 38 CPG Cactus | 43.8378 |
| 11/03/2019 | CRE 38 CPG Cactus | 43.042 |
| 12/03/2019 | CRE 38 CPG Cactus | 45.0765 |
| 13/03/2019 | CRE 38 CPG Cactus | 45.0151 |
| 14/03/2019 | CRE 38 CPG Cactus | 44.2004 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 05:00 | 43.1842 |
| 08/03/2019 06:00 | 43.1905 |
| 08/03/2019 07:00 | 43.1956 |
| 08/03/2019 08:00 | 43.2152 |
| 08/03/2019 09:00 | 43.2138 |
| 08/03/2019 10:00 | 43.6797 |
| 08/03/2019 11:00 | 44.5451 |
| 08/03/2019 12:00 | 46.0093 |
| 08/03/2019 13:00 | 43.4436 |
| 08/03/2019 14:00 | 43.6812 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 15:00 | 44.5698 |
| 08/03/2019 16:00 | 43.0194 |
| 08/03/2019 17:00 | 43.0379 |
| 08/03/2019 18:00 | 43.0344 |
| 08/03/2019 19:00 | 43.0377 |
| 08/03/2019 20:00 | 43.0485 |
| 08/03/2019 21:00 | 43.0585 |
| 08/03/2019 22:00 | 43.0647 |
| 08/03/2019 23:00 | 43.068 |
| 09/03/2019 00:00 | 43.0801 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 09/03/2019 01:00 | 43.1026 |
| 09/03/2019 02:00 | 43.1226 |
| 09/03/2019 03:00 | 43.146 |
| 09/03/2019 04:00 | 43.1682 |
| 09/03/2019 05:00 | 45.159 |
| 09/03/2019 06:00 | 45.1586 |
| 09/03/2019 07:00 | 45.1582 |
| 09/03/2019 08:00 | 45.1542 |
| 09/03/2019 09:00 | 45.1431 |
| 09/03/2019 10:00 | 45.1269 |
| 09/03/2019 11:00 | 45.1151 |
| 09/03/2019 12:00 | 45.1045 |
| 09/03/2019 13:00 | 45.0946 |
| 09/03/2019 14:00 | 45.0821 |
| 09/03/2019 15:00 | 45.0715 |
| 09/03/2019 16:00 | 45.0552 |
| 09/03/2019 17:00 | 43.31 |
| 09/03/2019 18:00 | 43.3093 |
| 09/03/2019 19:00 | 43.2978 |
| 09/03/2019 20:00 | 43.2794 |
| 09/03/2019 21:00 | 43.2196 |
| 09/03/2019 22:00 | 43.1098 |
| 09/03/2019 23:00 | 43.0705 |
| 10/03/2019 00:00 | 43.0201 |
| 10/03/2019 01:00 | 42.992 |
| 10/03/2019 02:00 | 42.9816 |
| 10/03/2019 03:00 | 42.9555 |
| 10/03/2019 04:00 | 42.954 |
| 10/03/2019 05:00 | 45.1592 |
| 10/03/2019 06:00 | 45.1588 |
| 10/03/2019 07:00 | 45.1584 |
| 10/03/2019 08:00 | 45.1544 |
| 10/03/2019 09:00 | 45.1433 |
| 10/03/2019 10:00 | 45.1272 |
| 10/03/2019 11:00 | 45.1154 |
| 10/03/2019 12:00 | 45.1048 |
| 10/03/2019 13:00 | 42.9634 |
| 10/03/2019 14:00 | 42.9686 |
| 10/03/2019 15:00 | 42.9563 |
| 10/03/2019 16:00 | 42.9459 |
| 10/03/2019 17:00 | 42.9169 |
| 10/03/2019 18:00 | 42.8736 |
| 10/03/2019 19:00 | 43.8537 |
| 10/03/2019 20:00 | 44.7051 |
| 10/03/2019 21:00 | 43.0589 |
| 10/03/2019 22:00 | 43.0651 |
| 10/03/2019 23:00 | 43.0685 |
| 11/03/2019 00:00 | 43.0806 |
| 11/03/2019 01:00 | 43.1032 |
| 11/03/2019 02:00 | 43.1232 |
| 11/03/2019 03:00 | 43.1467 |
| 11/03/2019 04:00 | 43.1683 |
| 11/03/2019 05:00 | 43.987 |
| 11/03/2019 06:00 | 43.3303 |
| 11/03/2019 07:00 | 43.3749 |
| 11/03/2019 08:00 | 43.384 |
| 11/03/2019 09:00 | 42.8503 |
| 11/03/2019 10:00 | 43.9887 |
| 11/03/2019 11:00 | 43.3323 |
| 11/03/2019 12:00 | 43.3767 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 11/03/2019 13:00 | 43.3857 |
| 11/03/2019 14:00 | 42.852 |
| 11/03/2019 15:00 | 42.9689 |
| 11/03/2019 16:00 | 42.8316 |
| 11/03/2019 17:00 | 42.5459 |
| 11/03/2019 18:00 | 42.5538 |
| 11/03/2019 19:00 | 42.8273 |
| 11/03/2019 20:00 | 42.7388 |
| 11/03/2019 21:00 | 42.7378 |
| 11/03/2019 22:00 | 42.7624 |
| 11/03/2019 23:00 | 42.8071 |
| 12/03/2019 00:00 | 42.8336 |
| 12/03/2019 01:00 | 42.8497 |
| 12/03/2019 02:00 | 42.8531 |
| 12/03/2019 03:00 | 42.8851 |
| 12/03/2019 04:00 | 42.9289 |
| 12/03/2019 05:00 | 42.981 |
| 12/03/2019 06:00 | 43.0287 |
| 12/03/2019 07:00 | 43.0847 |
| 12/03/2019 08:00 | 43.1787 |
| 12/03/2019 09:00 | 43.3525 |
| 12/03/2019 10:00 | 43.5115 |
| 12/03/2019 11:00 | 43.6521 |
| 12/03/2019 12:00 | 43.774 |
| 12/03/2019 13:00 | 44.6746 |
| 12/03/2019 14:00 | 46.1039 |
| 12/03/2019 15:00 | 46.1799 |
| 12/03/2019 16:00 | 46.3152 |
| 12/03/2019 17:00 | 46.3386 |
| 12/03/2019 18:00 | 46.3343 |
| 12/03/2019 19:00 | 46.2474 |
| 12/03/2019 20:00 | 46.1763 |
| 12/03/2019 21:00 | 46.0395 |
| 12/03/2019 22:00 | 46.0403 |
| 12/03/2019 23:00 | 45.9744 |
| 13/03/2019 00:00 | 45.8927 |
| 13/03/2019 01:00 | 45.8135 |
| 13/03/2019 02:00 | 45.7321 |
| 13/03/2019 03:00 | 45.6689 |
| 13/03/2019 04:00 | 45.5856 |
| 13/03/2019 05:00 | 45.5152 |
| 13/03/2019 06:00 | 45.4439 |
| 13/03/2019 07:00 | 45.3746 |
| 13/03/2019 08:00 | 45.3151 |
| 13/03/2019 09:00 | 45.2639 |
| 13/03/2019 10:00 | 45.2182 |
| 13/03/2019 11:00 | 45.1655 |
| 13/03/2019 12:00 | 45.1236 |
| 13/03/2019 13:00 | 45.0907 |
| 13/03/2019 14:00 | 45.0198 |
| 13/03/2019 15:00 | 44.9796 |
| 13/03/2019 16:00 | 44.9383 |
| 13/03/2019 17:00 | 44.921 |
| 13/03/2019 18:00 | 44.883 |
| 13/03/2019 19:00 | 44.8618 |
| 13/03/2019 20:00 | 44.8451 |
| 13/03/2019 21:00 | 44.8274 |
| 13/03/2019 22:00 | 44.8178 |
| 13/03/2019 23:00 | 44.8079 |
| 14/03/2019 00:00 | 44.7998 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 14/03/2019 01:00 | 44.793 |
| 14/03/2019 02:00 | 44.7858 |
| 14/03/2019 03:00 | 44.7803 |
| 14/03/2019 04:00 | 44.7791 |
| 14/03/2019 05:00 | 44.7762 |
| 14/03/2019 06:00 | 44.7784 |
| 14/03/2019 07:00 | 44.7801 |
| 14/03/2019 08:00 | 44.7821 |
| 14/03/2019 09:00 | 44.784 |
| 14/03/2019 10:00 | 44.7867 |
| 14/03/2019 11:00 | 44.7871 |
| 14/03/2019 12:00 | 44.7844 |
| 14/03/2019 13:00 | 33.5513 |
| 14/03/2019 14:00 | 44.7756 |
| 14/03/2019 15:00 | 44.7627 |
| 14/03/2019 16:00 | 44.7547 |
| 14/03/2019 17:00 | 44.7477 |
| 14/03/2019 18:00 | 44.7353 |
| 14/03/2019 19:00 | 44.7283 |
| 14/03/2019 20:00 | 44.7188 |
| 14/03/2019 21:00 | 44.704 |
| 14/03/2019 22:00 | 44.6829 |
| 14/03/2019 23:00 | 44.6693 |
| 15/03/2019 00:00 | 44.6572 |
| 15/03/2019 01:00 | 44.6456 |
| 15/03/2019 02:00 | 44.6364 |
| 15/03/2019 03:00 | 44.6251 |
| 15/03/2019 04:00 | 44.6217 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 39 KM-100 | 43.7451 |
| 09/03/2019 | CRE 39 KM-100 | 44.1235 |
| 10/03/2019 | CRE 39 KM-100 | 43.5666 |
| 11/03/2019 | CRE 39 KM-100 | 42.9665 |
| 12/03/2019 | CRE 39 KM-100 | 45.4644 |
| 13/03/2019 | CRE 39 KM-100 | 44.9097 |
| 14/03/2019 | CRE 39 KM-100 | 44.1723 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 09:00 | 43.2135 |
| 08/03/2019 10:00 | 43.6811 |
| 08/03/2019 11:00 | 44.5699 |
| 08/03/2019 12:00 | 46.0253 |
| 08/03/2019 13:00 | 43.4434 |
| 08/03/2019 14:00 | 43.6811 |
| 08/03/2019 15:00 | 44.5699 |
| 08/03/2019 16:00 | 43.0204 |
| 08/03/2019 17:00 | 43.0404 |
| 08/03/2019 18:00 | 43.0369 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 19:00 | 43.0402 |
| 08/03/2019 20:00 | 43.0507 |
| 08/03/2019 21:00 | 43.0611 |
| 08/03/2019 22:00 | 43.0672 |
| 08/03/2019 23:00 | 43.0706 |
| 09/03/2019 00:00 | 43.0827 |
| 09/03/2019 01:00 | 43.1052 |
| 09/03/2019 02:00 | 43.1252 |
| 09/03/2019 03:00 | 43.1486 |
| 09/03/2019 04:00 | 43.1703 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 09/03/2019 05:00 | 45.1619 |
| 09/03/2019 06:00 | 45.1614 |
| 09/03/2019 07:00 | 45.161 |
| 09/03/2019 08:00 | 45.157 |
| 09/03/2019 09:00 | 45.1459 |
| 09/03/2019 10:00 | 45.1297 |
| 09/03/2019 11:00 | 45.1179 |
| 09/03/2019 12:00 | 45.1073 |
| 09/03/2019 13:00 | 45.0967 |
| 09/03/2019 14:00 | 45.0848 |
| 09/03/2019 15:00 | 45.0743 |
| 09/03/2019 16:00 | 45.0579 |
| 09/03/2019 17:00 | 43.3127 |
| 09/03/2019 18:00 | 43.312 |
| 09/03/2019 19:00 | 43.3005 |
| 09/03/2019 20:00 | 43.2817 |
| 09/03/2019 21:00 | 43.2222 |
| 09/03/2019 22:00 | 43.1124 |
| 09/03/2019 23:00 | 43.0731 |
| 10/03/2019 00:00 | 43.0227 |
| 10/03/2019 01:00 | 42.9946 |
| 10/03/2019 02:00 | 42.9841 |
| 10/03/2019 03:00 | 42.958 |
| 10/03/2019 04:00 | 42.9565 |
| 10/03/2019 05:00 | 45.1619 |
| 10/03/2019 06:00 | 45.1614 |
| 10/03/2019 07:00 | 45.161 |
| 10/03/2019 08:00 | 45.157 |
| 10/03/2019 09:00 | 45.1459 |
| 10/03/2019 10:00 | 45.1297 |
| 10/03/2019 11:00 | 45.1179 |
| 10/03/2019 12:00 | 45.1073 |
| 10/03/2019 13:00 | 42.9658 |
| 10/03/2019 14:00 | 42.9709 |
| 10/03/2019 15:00 | 42.9586 |
| 10/03/2019 16:00 | 42.9482 |
| 10/03/2019 17:00 | 42.9192 |
| 10/03/2019 18:00 | 42.8758 |
| 10/03/2019 19:00 | 43.8559 |
| 10/03/2019 20:00 | 44.7073 |
| 10/03/2019 21:00 | 43.0611 |
| 10/03/2019 22:00 | 43.0672 |
| 10/03/2019 23:00 | 43.0706 |
| 11/03/2019 00:00 | 43.0827 |
| 11/03/2019 01:00 | 43.1052 |
| 11/03/2019 02:00 | 43.1252 |
| 11/03/2019 03:00 | 43.1486 |
| 11/03/2019 04:00 | 43.1703 |
| 11/03/2019 05:00 | 43.989 |
| 11/03/2019 06:00 | 43.3322 |
| 11/03/2019 07:00 | 43.3768 |
| 11/03/2019 08:00 | 43.3858 |
| 11/03/2019 09:00 | 42.8519 |
| 11/03/2019 10:00 | 43.989 |
| 11/03/2019 11:00 | 43.3322 |
| 11/03/2019 12:00 | 43.3768 |
| 11/03/2019 13:00 | 43.3858 |
| 11/03/2019 14:00 | 42.8519 |
| 11/03/2019 15:00 | 42.9688 |
| 11/03/2019 16:00 | 42.8314 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 11/03/2019 17:00 | 42.5456 |
| 11/03/2019 18:00 | 42.5535 |
| 11/03/2019 19:00 | 42.827 |
| 11/03/2019 20:00 | 42.7385 |
| 11/03/2019 21:00 | 42.7375 |
| 11/03/2019 22:00 | 42.7621 |
| 11/03/2019 23:00 | 42.8068 |
| 12/03/2019 00:00 | 42.8333 |
| 12/03/2019 01:00 | 42.8495 |
| 12/03/2019 02:00 | 42.8529 |
| 12/03/2019 03:00 | 42.8849 |
| 12/03/2019 04:00 | 42.9287 |
| 12/03/2019 05:00 | 42.9808 |
| 12/03/2019 06:00 | 43.0286 |
| 12/03/2019 07:00 | 43.0846 |
| 12/03/2019 08:00 | 43.1787 |
| 12/03/2019 09:00 | 43.3526 |
| 12/03/2019 10:00 | 43.5117 |
| 12/03/2019 11:00 | 43.6523 |
| 12/03/2019 12:00 | 43.7743 |
| 12/03/2019 13:00 | 44.6753 |
| 12/03/2019 14:00 | 46.1052 |
| 12/03/2019 15:00 | 46.1812 |
| 12/03/2019 16:00 | 46.3166 |
| 12/03/2019 17:00 | 46.3399 |
| 12/03/2019 18:00 | 46.3356 |
| 12/03/2019 19:00 | 46.2486 |
| 12/03/2019 20:00 | 46.1775 |
| 12/03/2019 21:00 | 46.0406 |
| 12/03/2019 22:00 | 46.0413 |
| 12/03/2019 23:00 | 45.9754 |
| 13/03/2019 00:00 | 45.8937 |
| 13/03/2019 01:00 | 45.8144 |
| 13/03/2019 02:00 | 45.7329 |
| 13/03/2019 03:00 | 45.6697 |
| 13/03/2019 04:00 | 45.5864 |
| 13/03/2019 05:00 | 45.5159 |
| 13/03/2019 06:00 | 45.4445 |
| 13/03/2019 07:00 | 45.3752 |
| 13/03/2019 08:00 | 45.3157 |
| 13/03/2019 09:00 | 45.2645 |
| 13/03/2019 10:00 | 45.2187 |
| 13/03/2019 11:00 | 45.166 |
| 13/03/2019 12:00 | 45.124 |
| 13/03/2019 13:00 | 45.0911 |
| 13/03/2019 14:00 | 45.0202 |
| 13/03/2019 15:00 | 44.98 |
| 13/03/2019 16:00 | 44.9386 |
| 13/03/2019 17:00 | 44.9214 |
| 13/03/2019 18:00 | 44.8833 |
| 13/03/2019 19:00 | 44.8621 |
| 13/03/2019 20:00 | 44.8454 |
| 13/03/2019 21:00 | 44.8277 |
| 13/03/2019 22:00 | 44.8181 |
| 13/03/2019 23:00 | 44.8082 |
| 14/03/2019 00:00 | 44.8001 |
| 14/03/2019 01:00 | 44.7933 |
| 14/03/2019 02:00 | 44.7861 |
| 14/03/2019 03:00 | 44.7805 |
| 14/03/2019 04:00 | 44.7793 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 14/03/2019 05:00 | 44.7764 |
| 14/03/2019 06:00 | 44.7786 |
| 14/03/2019 07:00 | 44.7803 |
| 14/03/2019 08:00 | 44.7823 |
| 14/03/2019 09:00 | 44.7842 |
| 14/03/2019 10:00 | 44.7869 |
| 14/03/2019 11:00 | 44.7873 |
| 14/03/2019 12:00 | 44.7846 |
| 14/03/2019 13:00 | 33.5524 |
| 14/03/2019 14:00 | 44.7758 |
| 14/03/2019 15:00 | 44.7629 |
| 14/03/2019 16:00 | 44.7549 |
| 14/03/2019 17:00 | 44.7479 |
| 14/03/2019 18:00 | 44.7356 |
| 14/03/2019 19:00 | 44.7286 |
| 14/03/2019 20:00 | 44.719 |
| 14/03/2019 21:00 | 44.7042 |
| 14/03/2019 22:00 | 44.6831 |
| 14/03/2019 23:00 | 44.6695 |
| 15/03/2019 00:00 | 44.6574 |
| 15/03/2019 01:00 | 44.6458 |
| 15/03/2019 02:00 | 44.6366 |
| 15/03/2019 03:00 | 44.6253 |
| 15/03/2019 04:00 | 44.6219 |
| 15/03/2019 05:00 | 44.6132 |
| 15/03/2019 06:00 | 44.6099 |
| 15/03/2019 07:00 | 44.6067 |
| 15/03/2019 08:00 | 44.6013 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 40 CPG Nuevo Pemex | 43.0529 |
| 09/03/2019 | CRE 40 CPG Nuevo Pemex | 42.6647 |
| 10/03/2019 | CRE 40 CPG Nuevo Pemex | 42.6569 |
| 11/03/2019 | CRE 40 CPG Nuevo Pemex | 42.8419 |
| 12/03/2019 | CRE 40 CPG Nuevo Pemex | 42.8628 |
| 13/03/2019 | CRE 40 CPG Nuevo Pemex | 42.9962 |
| 14/03/2019 | CRE 40 CPG Nuevo Pemex | 42.9407 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 05:00 | 43.6961 |
| 08/03/2019 06:00 | 43.9618 |
| 08/03/2019 07:00 | 44.0417 |
| 08/03/2019 08:00 | 42.6849 |
| 08/03/2019 09:00 | 43.3525 |
| 08/03/2019 10:00 | 42.9953 |
| 08/03/2019 11:00 | 42.9316 |
| 08/03/2019 12:00 | 43.0037 |
| 08/03/2019 13:00 | 42.9669 |
| 08/03/2019 14:00 | 42.7566 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 08/03/2019 15:00 | 42.8217 |
| 08/03/2019 16:00 | 42.9058 |
| 08/03/2019 17:00 | 42.9972 |
| 08/03/2019 18:00 | 42.9557 |
| 08/03/2019 19:00 | 43.0279 |
| 08/03/2019 20:00 | 42.9723 |
| 08/03/2019 21:00 | 43.1029 |
| 08/03/2019 22:00 | 43.1268 |
| 08/03/2019 23:00 | 42.9725 |
| 09/03/2019 00:00 | 42.9301 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 09/03/2019 01:00 | 42.7439 |
| 09/03/2019 02:00 | 42.7762 |
| 09/03/2019 03:00 | 42.7556 |
| 09/03/2019 04:00 | 42.8086 |
| 09/03/2019 05:00 | 42.699 |
| 09/03/2019 06:00 | 42.7152 |
| 09/03/2019 07:00 | 42.5547 |
| 09/03/2019 08:00 | 42.4793 |
| 09/03/2019 09:00 | 42.6431 |
| 09/03/2019 10:00 | 42.7978 |
| 09/03/2019 11:00 | 42.9547 |
| 09/03/2019 12:00 | 42.7749 |
| 09/03/2019 13:00 | 42.7881 |
| 09/03/2019 14:00 | 42.6812 |
| 09/03/2019 15:00 | 42.6237 |
| 09/03/2019 16:00 | 42.6193 |
| 09/03/2019 17:00 | 42.6052 |
| 09/03/2019 18:00 | 42.6147 |
| 09/03/2019 19:00 | 42.5756 |
| 09/03/2019 20:00 | 42.7584 |
| 09/03/2019 21:00 | 42.6063 |
| 09/03/2019 22:00 | 42.7413 |
| 09/03/2019 23:00 | 42.4942 |
| 10/03/2019 00:00 | 42.5183 |
| 10/03/2019 01:00 | 42.7179 |
| 10/03/2019 02:00 | 42.5598 |
| 10/03/2019 03:00 | 42.6704 |
| 10/03/2019 04:00 | 42.7616 |
| 10/03/2019 05:00 | 42.6405 |
| 10/03/2019 06:00 | 42.6932 |
| 10/03/2019 07:00 | 42.6046 |
| 10/03/2019 08:00 | 42.8079 |
| 10/03/2019 09:00 | 42.7429 |
| 10/03/2019 10:00 | 42.711 |
| 10/03/2019 11:00 | 42.8167 |
| 10/03/2019 12:00 | 42.762 |
| 10/03/2019 13:00 | 42.7624 |
| 10/03/2019 14:00 | 42.773 |
| 10/03/2019 15:00 | 42.5394 |
| 10/03/2019 16:00 | 42.4586 |
| 10/03/2019 17:00 | 42.5815 |
| 10/03/2019 18:00 | 42.6506 |
| 10/03/2019 19:00 | 42.6315 |
| 10/03/2019 20:00 | 42.4608 |
| 10/03/2019 21:00 | 42.7016 |
| 10/03/2019 22:00 | 42.8616 |
| 10/03/2019 23:00 | 42.5709 |
| 11/03/2019 00:00 | 42.5358 |
| 11/03/2019 01:00 | 42.5795 |
| 11/03/2019 02:00 | 42.5605 |
| 11/03/2019 03:00 | 42.6668 |
| 11/03/2019 04:00 | 42.6543 |
| 11/03/2019 05:00 | 42.5809 |
| 11/03/2019 06:00 | 42.9689 |
| 11/03/2019 07:00 | 42.8319 |
| 11/03/2019 08:00 | 42.6522 |
| 11/03/2019 09:00 | 42.8303 |
| 11/03/2019 10:00 | 43.1091 |
| 11/03/2019 11:00 | 43.3225 |
| 11/03/2019 12:00 | 44.3209 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 11/03/2019 13:00 | 43.1896 |
| 11/03/2019 14:00 | 42.8099 |
| 11/03/2019 15:00 | 42.9407 |
| 11/03/2019 16:00 | 42.7166 |
| 11/03/2019 17:00 | 42.4576 |
| 11/03/2019 18:00 | 42.6514 |
| 11/03/2019 19:00 | 42.8256 |
| 11/03/2019 20:00 | 42.6863 |
| 11/03/2019 21:00 | 42.7386 |
| 11/03/2019 22:00 | 42.7887 |
| 11/03/2019 23:00 | 42.5949 |
| 12/03/2019 00:00 | 42.6421 |
| 12/03/2019 01:00 | 42.5459 |
| 12/03/2019 02:00 | 42.6615 |
| 12/03/2019 03:00 | 42.6301 |
| 12/03/2019 04:00 | 42.6822 |
| 12/03/2019 05:00 | 42.5554 |
| 12/03/2019 06:00 | 42.4758 |
| 12/03/2019 07:00 | 42.4378 |
| 12/03/2019 08:00 | 42.4934 |
| 12/03/2019 09:00 | 42.4081 |
| 12/03/2019 10:00 | 42.4395 |
| 12/03/2019 11:00 | 42.8896 |
| 12/03/2019 12:00 | 44.5897 |
| 12/03/2019 13:00 | 45.5996 |
| 12/03/2019 14:00 | 45.0767 |
| 12/03/2019 15:00 | 43.4268 |
| 12/03/2019 16:00 | 43.3796 |
| 12/03/2019 17:00 | 42.5259 |
| 12/03/2019 18:00 | 42.0027 |
| 12/03/2019 19:00 | 42.0408 |
| 12/03/2019 20:00 | 42.0943 |
| 12/03/2019 21:00 | 42.1314 |
| 12/03/2019 22:00 | 42.2081 |
| 12/03/2019 23:00 | 42.3626 |
| 13/03/2019 00:00 | 42.7535 |
| 13/03/2019 01:00 | 42.6466 |
| 13/03/2019 02:00 | 42.6291 |
| 13/03/2019 03:00 | 42.8084 |
| 13/03/2019 04:00 | 42.6523 |
| 13/03/2019 05:00 | 42.5747 |
| 13/03/2019 06:00 | 42.6024 |
| 13/03/2019 07:00 | 42.781 |
| 13/03/2019 08:00 | 42.8269 |
| 13/03/2019 09:00 | 42.9759 |
| 13/03/2019 10:00 | 42.8631 |
| 13/03/2019 11:00 | 42.903 |
| 13/03/2019 12:00 | 42.9555 |
| 13/03/2019 13:00 | 43.31 |
| 13/03/2019 14:00 | 42.7541 |
| 13/03/2019 15:00 | 42.7265 |
| 13/03/2019 16:00 | 42.938 |
| 13/03/2019 17:00 | 42.8898 |
| 13/03/2019 18:00 | 43.0826 |
| 13/03/2019 19:00 | 43.0301 |
| 13/03/2019 20:00 | 43.1202 |
| 13/03/2019 21:00 | 43.1364 |
| 13/03/2019 22:00 | 43.2242 |
| 13/03/2019 23:00 | 43.4948 |
| 14/03/2019 00:00 | 43.5155 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 14/03/2019 01:00 | 43.2015 |
| 14/03/2019 02:00 | 42.9923 |
| 14/03/2019 03:00 | 42.9623 |
| 14/03/2019 04:00 | 43.0542 |
| 14/03/2019 05:00 | 43.1366 |
| 14/03/2019 06:00 | 43.2166 |
| 14/03/2019 07:00 | 43.5797 |
| 14/03/2019 08:00 | 43.4509 |
| 14/03/2019 09:00 | 43.348 |
| 14/03/2019 10:00 | 43.3413 |
| 14/03/2019 11:00 | 43.6051 |
| 14/03/2019 12:00 | 43.1762 |
| 14/03/2019 13:00 | 43.0288 |
| 14/03/2019 14:00 | 43.1852 |
| 14/03/2019 15:00 | 42.7661 |
| 14/03/2019 16:00 | 42.7513 |
| 14/03/2019 17:00 | 42.8141 |
| 14/03/2019 18:00 | 42.7246 |
| 14/03/2019 19:00 | 42.695 |
| 14/03/2019 20:00 | 42.6006 |
| 14/03/2019 21:00 | 42.5804 |
| 14/03/2019 22:00 | 42.6339 |
| 14/03/2019 23:00 | 42.523 |
| 15/03/2019 00:00 | 42.5821 |
| 15/03/2019 01:00 | 42.6512 |
| 15/03/2019 02:00 | 42.8048 |
| 15/03/2019 03:00 | 42.7069 |
| 15/03/2019 04:00 | 42.6874 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR

Temperatura de rocío de hidrocarburos

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 50 Playuela | 310.7848 |
| 09/03/2019 | CRE 50 Playuela | 306.8293 |
| 10/03/2019 | CRE 50 Playuela | 306.2617 |
| 11/03/2019 | CRE 50 Playuela | 305.6131 |
| 12/03/2019 | CRE 50 Playuela | 305.718 |
| 13/03/2019 | CRE 50 Playuela | 305.7311 |
| 14/03/2019 | CRE 50 Playuela | 309.3615 |

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 |
|------------------|---|
| 08/03/2019 05:00 | 311.9793 |
| 08/03/2019 06:00 | 312.0558 |
| 08/03/2019 07:00 | 312.0591 |
| 08/03/2019 08:00 | 312.4684 |
| 08/03/2019 09:00 | 312.8611 |
| 08/03/2019 10:00 | 314.3547 |
| 08/03/2019 11:00 | 315.6581 |
| 08/03/2019 12:00 | 316.3003 |
| 08/03/2019 13:00 | 316.9657 |
| 08/03/2019 14:00 | 318.0859 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 08/03/2019 15:00 | 318.4125 |
| 08/03/2019 16:00 | 317.153 |
| 08/03/2019 17:00 | 311.122 |
| 08/03/2019 18:00 | 306.4017 |
| 08/03/2019 19:00 | 305.7614 |
| 08/03/2019 20:00 | 306.2604 |
| 08/03/2019 21:00 | 306.4814 |
| 08/03/2019 22:00 | 306.3424 |
| 08/03/2019 23:00 | 306.2611 |
| 09/03/2019 00:00 | 306.4375 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 09/03/2019 01:00 | 306.4994 |
| 09/03/2019 02:00 | 306.3473 |
| 09/03/2019 03:00 | 306.3783 |
| 09/03/2019 04:00 | 306.1884 |
| 09/03/2019 05:00 | 306.4102 |
| 09/03/2019 06:00 | 306.3946 |
| 09/03/2019 07:00 | 306.7417 |
| 09/03/2019 08:00 | 308.1136 |
| 09/03/2019 09:00 | 307.8185 |
| 09/03/2019 10:00 | 307.4382 |
| 09/03/2019 11:00 | 306.6122 |
| 09/03/2019 12:00 | 307.1297 |
| 09/03/2019 13:00 | 308.2821 |
| 09/03/2019 14:00 | 308.5356 |
| 09/03/2019 15:00 | 308.503 |
| 09/03/2019 16:00 | 307.9156 |
| 09/03/2019 17:00 | 306.5733 |
| 09/03/2019 18:00 | 305.114 |
| 09/03/2019 19:00 | 305.6804 |
| 09/03/2019 20:00 | 306.0988 |
| 09/03/2019 21:00 | 306.3485 |
| 09/03/2019 22:00 | 306.3904 |
| 09/03/2019 23:00 | 306.199 |
| 10/03/2019 00:00 | 306.2731 |
| 10/03/2019 01:00 | 306.3749 |
| 10/03/2019 02:00 | 306.2836 |
| 10/03/2019 03:00 | 306.2998 |
| 10/03/2019 04:00 | 306.3716 |
| 10/03/2019 05:00 | 306.4146 |
| 10/03/2019 06:00 | 306.4151 |
| 10/03/2019 07:00 | 306.6347 |
| 10/03/2019 08:00 | 308.1638 |
| 10/03/2019 09:00 | 307.5906 |
| 10/03/2019 10:00 | 306.906 |
| 10/03/2019 11:00 | 306.3585 |
| 10/03/2019 12:00 | 306.7896 |
| 10/03/2019 13:00 | 306.8672 |
| 10/03/2019 14:00 | 307.0126 |
| 10/03/2019 15:00 | 307.0844 |
| 10/03/2019 16:00 | 306.6252 |
| 10/03/2019 17:00 | 306.7188 |
| 10/03/2019 18:00 | 306.3929 |
| 10/03/2019 19:00 | 305.5519 |
| 10/03/2019 20:00 | 305.8841 |
| 10/03/2019 21:00 | 306.0594 |
| 10/03/2019 22:00 | 305.9859 |
| 10/03/2019 23:00 | 305.3359 |
| 11/03/2019 00:00 | 305.3848 |
| 11/03/2019 01:00 | 305.1503 |
| 11/03/2019 02:00 | 304.9408 |
| 11/03/2019 03:00 | 304.9186 |
| 11/03/2019 04:00 | 305.0957 |
| 11/03/2019 05:00 | 305.2006 |
| 11/03/2019 06:00 | 305.2966 |
| 11/03/2019 07:00 | 305.2852 |
| 11/03/2019 08:00 | 305.5266 |
| 11/03/2019 09:00 | 306.3565 |
| 11/03/2019 10:00 | 305.754 |
| 11/03/2019 11:00 | 305.7977 |
| 11/03/2019 12:00 | 306.3516 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 11/03/2019 13:00 | 307.0623 |
| 11/03/2019 14:00 | 307.1631 |
| 11/03/2019 15:00 | 306.8624 |
| 11/03/2019 16:00 | 306.4654 |
| 11/03/2019 17:00 | 305.3505 |
| 11/03/2019 18:00 | 303.9102 |
| 11/03/2019 19:00 | 303.1211 |
| 11/03/2019 20:00 | 305.0923 |
| 11/03/2019 21:00 | 305.9436 |
| 11/03/2019 22:00 | 306.0381 |
| 11/03/2019 23:00 | 306.1327 |
| 12/03/2019 00:00 | 305.3025 |
| 12/03/2019 01:00 | 305.3041 |
| 12/03/2019 02:00 | 305.2028 |
| 12/03/2019 03:00 | 305.1688 |
| 12/03/2019 04:00 | 305.0266 |
| 12/03/2019 05:00 | 305.1079 |
| 12/03/2019 06:00 | 305.175 |
| 12/03/2019 07:00 | 305.3134 |
| 12/03/2019 08:00 | 306.0056 |
| 12/03/2019 09:00 | 306.3282 |
| 12/03/2019 10:00 | 305.9604 |
| 12/03/2019 11:00 | 305.8773 |
| 12/03/2019 12:00 | 307.023 |
| 12/03/2019 13:00 | 308.1354 |
| 12/03/2019 14:00 | 308.4749 |
| 12/03/2019 15:00 | 308.256 |
| 12/03/2019 16:00 | 306.683 |
| 12/03/2019 17:00 | 305.459 |
| 12/03/2019 18:00 | 304.1171 |
| 12/03/2019 19:00 | 304.4771 |
| 12/03/2019 20:00 | 304.9315 |
| 12/03/2019 21:00 | 305.1208 |
| 12/03/2019 22:00 | 305.1227 |
| 12/03/2019 23:00 | 304.9152 |
| 13/03/2019 00:00 | 304.8188 |
| 13/03/2019 01:00 | 304.8977 |
| 13/03/2019 02:00 | 305.1653 |
| 13/03/2019 03:00 | 304.9895 |
| 13/03/2019 04:00 | 304.8772 |
| 13/03/2019 05:00 | 304.873 |
| 13/03/2019 06:00 | 305.26 |
| 13/03/2019 07:00 | 305.3761 |
| 13/03/2019 08:00 | 305.8865 |
| 13/03/2019 09:00 | 306.7056 |
| 13/03/2019 10:00 | 306.3329 |
| 13/03/2019 11:00 | 306.8959 |
| 13/03/2019 12:00 | 307.2247 |
| 13/03/2019 13:00 | 307.5399 |
| 13/03/2019 14:00 | 307.9536 |
| 13/03/2019 15:00 | 307.7132 |
| 13/03/2019 16:00 | 306.8872 |
| 13/03/2019 17:00 | 305.8672 |
| 13/03/2019 18:00 | 304.3827 |
| 13/03/2019 19:00 | 304.4991 |
| 13/03/2019 20:00 | 304.8224 |
| 13/03/2019 21:00 | 304.8386 |
| 13/03/2019 22:00 | 304.9399 |
| 13/03/2019 23:00 | 304.9494 |
| 14/03/2019 00:00 | 304.919 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|---------------------|--|
| 14/03/2019 01:00 | 304.9021 |
| 14/03/2019 02:00 | 304.957 |
| 14/03/2019 03:00 | 304.8363 |
| 14/03/2019 04:00 | 304.9828 |
| 14/03/2019 05:00 | 304.9862 |
| 14/03/2019 06:00 | 304.7069 |
| 14/03/2019 07:00 | 305.3197 |
| 14/03/2019 08:00 | 305.8983 |
| 14/03/2019 09:00 | 306.014 |
| 14/03/2019 10:00 | 307.9606 |
| 14/03/2019 11:00 | 313.0478 |
| 14/03/2019 12:00 | 314.9144 |
| 14/03/2019 13:00 | 316.2972 |
| 14/03/2019 14:00 | 316.8838 |
| 14/03/2019 15:00 | 316.5453 |
| 14/03/2019 16:00 | 315.9662 |
| 14/03/2019 17:00 | 314.8625 |
| 14/03/2019 18:00 | 312.612 |
| 14/03/2019 19:00 | 310.6527 |
| 14/03/2019 20:00 | 309.497 |
| 14/03/2019 21:00 | 308.9013 |
| 14/03/2019 22:00 | 308.004 |
| 14/03/2019 23:00 | 306.9672 |
| 15/03/2019 00:00 | 306.0312 |
| 15/03/2019 01:00 | 305.2131 |
| 15/03/2019 02:00 | 304.6218 |
| 15/03/2019 03:00 | 304.3445 |
| 15/03/2019 04:00 | 304.4285 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Acido sulfhídrico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 12/03/2019 | CRE 37 CPG Ciudad Pemex | 10.0693 |
| 13/03/2019 | CRE 37 CPG Ciudad Pemex | 11.131 |
| 14/03/2019 | CRE 37 CPG Ciudad Pemex | 6.3349 |

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

| Fecha y Hora | Acido sulfhidrico Prom/Hora |
|------------------|-----------------------------|
| 12/03/2019 05:00 | 3.4717 |
| 12/03/2019 06:00 | 3.7023 |
| 12/03/2019 07:00 | 4.1144 |
| 12/03/2019 08:00 | 4.7322 |
| 12/03/2019 09:00 | 5.5068 |
| 12/03/2019 10:00 | 6.2599 |
| 12/03/2019 11:00 | 7.1829 |
| 12/03/2019 12:00 | 8.4571 |
| 12/03/2019 13:00 | 13.8263 |
| 12/03/2019 14:00 | 13.5471 |

| Fecha y Hora | Acido sulfhidrico Prom/Hora |
|------------------|-----------------------------|
| 12/03/2019 15:00 | 12.0544 |
| 12/03/2019 16:00 | 10.0439 |
| 12/03/2019 17:00 | 10.1013 |
| 12/03/2019 18:00 | 9.0062 |
| 12/03/2019 19:00 | 9.4213 |
| 12/03/2019 20:00 | 10.8279 |
| 12/03/2019 21:00 | 12.1015 |
| 12/03/2019 22:00 | 13.5542 |
| 12/03/2019 23:00 | 13.8086 |
| 13/03/2019 00:00 | 13.7647 |

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|---------------------|------------------------------------|
| 13/03/2019 01:00 | 13.9941 |
| 13/03/2019 02:00 | 13.607 |
| 13/03/2019 03:00 | 13.8165 |
| 13/03/2019 04:00 | 14.7616 |
| 13/03/2019 05:00 | 14.6867 |
| 13/03/2019 06:00 | 14.5763 |
| 13/03/2019 07:00 | 14.7419 |
| 13/03/2019 08:00 | 13.5652 |
| 13/03/2019 09:00 | 13.0694 |
| 13/03/2019 10:00 | 13.0491 |
| 13/03/2019 11:00 | 13.045 |
| 13/03/2019 12:00 | 12.6467 |
| 13/03/2019 13:00 | 12.7673 |
| 13/03/2019 14:00 | 11.1421 |
| 13/03/2019 15:00 | 10.47 |
| 13/03/2019 16:00 | 10.1406 |
| 13/03/2019 17:00 | 9.9558 |
| 13/03/2019 18:00 | 9.8384 |
| 13/03/2019 19:00 | 9.8846 |
| 13/03/2019 20:00 | 9.7548 |
| 13/03/2019 21:00 | 9.5911 |
| 13/03/2019 22:00 | 9.555 |
| 13/03/2019 23:00 | 9.459 |
| 14/03/2019 00:00 | 9.2975 |
| 14/03/2019 01:00 | 9.1899 |
| 14/03/2019 02:00 | 9.0024 |
| 14/03/2019 03:00 | 8.9569 |
| 14/03/2019 04:00 | 8.759 |
| 14/03/2019 05:00 | 8.3592 |
| 14/03/2019 06:00 | 8.3601 |
| 14/03/2019 07:00 | 8.2148 |
| 14/03/2019 08:00 | 8.171 |
| 14/03/2019 09:00 | 8.238 |
| 14/03/2019 10:00 | 8.9382 |
| 14/03/2019 11:00 | 7.2658 |
| 14/03/2019 12:00 | 0 |
| 14/03/2019 13:00 | 0 |
| 14/03/2019 14:00 | 0 |
| 14/03/2019 15:00 | 2.136 |
| 14/03/2019 16:00 | 3.1121 |
| 14/03/2019 17:00 | 3.7461 |
| 14/03/2019 18:00 | 4.4515 |
| 14/03/2019 19:00 | 4.9616 |
| 14/03/2019 20:00 | 5.9314 |
| 14/03/2019 21:00 | 9.0305 |
| 14/03/2019 22:00 | 10.5043 |
| 14/03/2019 23:00 | 10.4221 |
| 15/03/2019 00:00 | 8.6513 |
| 15/03/2019 01:00 | 9.7542 |
| 15/03/2019 02:00 | 7.888 |
| 15/03/2019 03:00 | 7.1651 |
| 15/03/2019 04:00 | 6.7349 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Acido sulfhídrico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 12/03/2019 | CRE 38 CPG Cactus | 10.0693 |
| 13/03/2019 | CRE 38 CPG Cactus | 11.131 |
| 14/03/2019 | CRE 38 CPG Cactus | 6.3349 |

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

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|------------------|-----------------------------|
| 12/03/2019 05:00 | 3.4717 |
| 12/03/2019 06:00 | 3.7023 |
| 12/03/2019 07:00 | 4.1144 |
| 12/03/2019 08:00 | 4.7322 |
| 12/03/2019 09:00 | 5.5068 |
| 12/03/2019 10:00 | 6.2599 |
| 12/03/2019 11:00 | 7.1829 |
| 12/03/2019 12:00 | 8.4571 |
| 12/03/2019 13:00 | 13.8263 |
| 12/03/2019 14:00 | 13.5471 |

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|------------------|-----------------------------|
| 12/03/2019 15:00 | 12.0544 |
| 12/03/2019 16:00 | 10.0439 |
| 12/03/2019 17:00 | 10.1013 |
| 12/03/2019 18:00 | 9.0062 |
| 12/03/2019 19:00 | 9.4213 |
| 12/03/2019 20:00 | 10.8279 |
| 12/03/2019 21:00 | 12.1015 |
| 12/03/2019 22:00 | 13.5542 |
| 12/03/2019 23:00 | 13.8086 |
| 13/03/2019 00:00 | 13.7647 |

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|---------------------|------------------------------------|
| 13/03/2019 01:00 | 13.9941 |
| 13/03/2019 02:00 | 13.607 |
| 13/03/2019 03:00 | 13.8165 |
| 13/03/2019 04:00 | 14.7616 |
| 13/03/2019 05:00 | 14.6867 |
| 13/03/2019 06:00 | 14.5763 |
| 13/03/2019 07:00 | 14.7419 |
| 13/03/2019 08:00 | 13.5652 |
| 13/03/2019 09:00 | 13.0694 |
| 13/03/2019 10:00 | 13.0491 |
| 13/03/2019 11:00 | 13.045 |
| 13/03/2019 12:00 | 12.6467 |
| 13/03/2019 13:00 | 12.7673 |
| 13/03/2019 14:00 | 11.1421 |
| 13/03/2019 15:00 | 10.47 |
| 13/03/2019 16:00 | 10.1406 |
| 13/03/2019 17:00 | 9.9558 |
| 13/03/2019 18:00 | 9.8384 |
| 13/03/2019 19:00 | 9.8846 |
| 13/03/2019 20:00 | 9.7548 |
| 13/03/2019 21:00 | 9.5911 |
| 13/03/2019 22:00 | 9.555 |
| 13/03/2019 23:00 | 9.459 |
| 14/03/2019 00:00 | 9.2975 |
| 14/03/2019 01:00 | 9.1899 |
| 14/03/2019 02:00 | 9.0024 |
| 14/03/2019 03:00 | 8.9569 |
| 14/03/2019 04:00 | 8.759 |
| 14/03/2019 05:00 | 8.3592 |
| 14/03/2019 06:00 | 8.3601 |
| 14/03/2019 07:00 | 8.2148 |
| 14/03/2019 08:00 | 8.171 |
| 14/03/2019 09:00 | 8.238 |
| 14/03/2019 10:00 | 8.9382 |
| 14/03/2019 11:00 | 7.2658 |
| 14/03/2019 12:00 | 0 |
| 14/03/2019 13:00 | 0 |
| 14/03/2019 14:00 | 0 |
| 14/03/2019 15:00 | 2.136 |
| 14/03/2019 16:00 | 3.1121 |
| 14/03/2019 17:00 | 3.7461 |
| 14/03/2019 18:00 | 4.4515 |
| 14/03/2019 19:00 | 4.9616 |
| 14/03/2019 20:00 | 5.9314 |
| 14/03/2019 21:00 | 9.0305 |
| 14/03/2019 22:00 | 10.5043 |
| 14/03/2019 23:00 | 10.4221 |
| 15/03/2019 00:00 | 8.6513 |
| 15/03/2019 01:00 | 9.7542 |
| 15/03/2019 02:00 | 7.888 |
| 15/03/2019 03:00 | 7.1651 |
| 15/03/2019 04:00 | 6.7349 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Acido sulfhídrico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 12/03/2019 | CRE 39 KM-100 | 11.8006 |
| 13/03/2019 | CRE 39 KM-100 | 10.1117 |
| 14/03/2019 | CRE 39 KM-100 | 6.1824 |

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

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|------------------|-----------------------------|
| 12/03/2019 09:00 | 5.5068 |
| 12/03/2019 10:00 | 6.2599 |
| 12/03/2019 11:00 | 7.1829 |
| 12/03/2019 12:00 | 8.4571 |
| 12/03/2019 13:00 | 13.8263 |
| 12/03/2019 14:00 | 13.5471 |
| 12/03/2019 15:00 | 12.0544 |
| 12/03/2019 16:00 | 10.0439 |
| 12/03/2019 17:00 | 10.1013 |
| 12/03/2019 18:00 | 9.0062 |

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|------------------|-----------------------------|
| 12/03/2019 19:00 | 9.4213 |
| 12/03/2019 20:00 | 10.8279 |
| 12/03/2019 21:00 | 12.1015 |
| 12/03/2019 22:00 | 13.5542 |
| 12/03/2019 23:00 | 13.8086 |
| 13/03/2019 00:00 | 13.7647 |
| 13/03/2019 01:00 | 13.9941 |
| 13/03/2019 02:00 | 13.607 |
| 13/03/2019 03:00 | 13.8165 |
| 13/03/2019 04:00 | 14.7616 |

| Fecha y Hora | Acido sulfhídrico Prom/Hora |
|---------------------|------------------------------------|
| 13/03/2019 05:00 | 14.6867 |
| 13/03/2019 06:00 | 14.5763 |
| 13/03/2019 07:00 | 14.7419 |
| 13/03/2019 08:00 | 13.5652 |
| 13/03/2019 09:00 | 13.0694 |
| 13/03/2019 10:00 | 13.0491 |
| 13/03/2019 11:00 | 13.045 |
| 13/03/2019 12:00 | 12.6467 |
| 13/03/2019 13:00 | 12.7673 |
| 13/03/2019 14:00 | 11.1421 |
| 13/03/2019 15:00 | 10.47 |
| 13/03/2019 16:00 | 10.1406 |
| 13/03/2019 17:00 | 9.9558 |
| 13/03/2019 18:00 | 9.8384 |
| 13/03/2019 19:00 | 9.8846 |
| 13/03/2019 20:00 | 9.7548 |
| 13/03/2019 21:00 | 9.5911 |
| 13/03/2019 22:00 | 9.555 |
| 13/03/2019 23:00 | 9.459 |
| 14/03/2019 00:00 | 9.2975 |
| 14/03/2019 01:00 | 9.1899 |
| 14/03/2019 02:00 | 9.0024 |
| 14/03/2019 03:00 | 8.9569 |
| 14/03/2019 04:00 | 8.759 |
| 14/03/2019 05:00 | 8.3592 |
| 14/03/2019 06:00 | 8.3601 |
| 14/03/2019 07:00 | 8.2148 |
| 14/03/2019 08:00 | 8.171 |
| 14/03/2019 09:00 | 8.238 |
| 14/03/2019 10:00 | 8.9382 |
| 14/03/2019 11:00 | 7.2658 |
| 14/03/2019 12:00 | 0 |
| 14/03/2019 13:00 | 0 |
| 14/03/2019 14:00 | 0 |
| 14/03/2019 15:00 | 2.136 |
| 14/03/2019 16:00 | 3.1121 |
| 14/03/2019 17:00 | 3.7461 |
| 14/03/2019 18:00 | 4.4515 |
| 14/03/2019 19:00 | 4.9616 |
| 14/03/2019 20:00 | 5.9314 |
| 14/03/2019 21:00 | 9.0305 |
| 14/03/2019 22:00 | 10.5043 |
| 14/03/2019 23:00 | 10.4221 |
| 15/03/2019 00:00 | 8.6513 |
| 15/03/2019 01:00 | 9.7542 |
| 15/03/2019 02:00 | 7.888 |
| 15/03/2019 03:00 | 7.1651 |
| 15/03/2019 04:00 | 6.7349 |
| 15/03/2019 05:00 | 6.9702 |
| 15/03/2019 06:00 | 6.8097 |
| 15/03/2019 07:00 | 7.8805 |
| 15/03/2019 08:00 | 7.7869 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 11/03/2019 | CRE 35 Troncal 48" | 82.6109 |
| 12/03/2019 | CRE 35 Troncal 48" | 82.7379 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 09:00 | 82.1838 |
| 11/03/2019 10:00 | 82.409 |
| 11/03/2019 11:00 | 81.5336 |
| 11/03/2019 12:00 | 79.474 |
| 11/03/2019 13:00 | 80.606 |
| 11/03/2019 14:00 | 81.6726 |
| 11/03/2019 15:00 | 82.1316 |
| 11/03/2019 16:00 | 82.3788 |
| 11/03/2019 17:00 | 82.619 |
| 11/03/2019 18:00 | 83.0008 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 19:00 | 83.3732 |
| 11/03/2019 20:00 | 83.1437 |
| 11/03/2019 21:00 | 83.169 |
| 11/03/2019 22:00 | 83.4808 |
| 11/03/2019 23:00 | 83.2368 |
| 12/03/2019 00:00 | 83.249 |
| 12/03/2019 01:00 | 83.093 |
| 12/03/2019 02:00 | 83.2208 |
| 12/03/2019 03:00 | 83.2012 |
| 12/03/2019 04:00 | 83.3748 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-------------------------|
| 12/03/2019 05:00 | 83.5527 |
| 12/03/2019 06:00 | 82.3452 |
| 12/03/2019 07:00 | 82.9538 |
| 12/03/2019 08:00 | 83.258 |
| 12/03/2019 09:00 | 83.175 |
| 12/03/2019 10:00 | 83.1457 |
| 12/03/2019 11:00 | 83.4668 |
| 12/03/2019 12:00 | 83.8968 |
| 12/03/2019 13:00 | 80.775 |
| 12/03/2019 14:00 | 79.157 |
| 12/03/2019 15:00 | 80.7826 |
| 12/03/2019 16:00 | 81.709 |
| 12/03/2019 17:00 | 81.3432 |
| 12/03/2019 18:00 | 82.0966 |
| 12/03/2019 19:00 | 82.1091 |
| 12/03/2019 20:00 | 82.8527 |
| 12/03/2019 21:00 | 83.0047 |
| 12/03/2019 22:00 | 83.114 |
| 12/03/2019 23:00 | 83.1878 |
| 13/03/2019 00:00 | 83.6978 |
| 13/03/2019 01:00 | 83.7227 |
| 13/03/2019 02:00 | 83.86 |
| 13/03/2019 03:00 | 83.5818 |
| 13/03/2019 04:00 | 83.461 |
| 13/03/2019 05:00 | 83.2518 |
| 13/03/2019 06:00 | 83.315 |
| 13/03/2019 07:00 | 83.3138 |
| 13/03/2019 08:00 | 83.6898 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 11/03/2019 | CRE 37 CPG Ciudad Pemex | 82.1618 |
| 12/03/2019 | CRE 37 CPG Ciudad Pemex | 80.0332 |
| 13/03/2019 | CRE 37 CPG Ciudad Pemex | 82.8907 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 05:00 | 80.619 |
| 11/03/2019 06:00 | 82.3709 |
| 11/03/2019 07:00 | 81.1717 |
| 11/03/2019 08:00 | 80.5595 |
| 11/03/2019 09:00 | 81.3632 |
| 11/03/2019 10:00 | 80.619 |
| 11/03/2019 11:00 | 82.3709 |
| 11/03/2019 12:00 | 81.1717 |
| 11/03/2019 13:00 | 80.5595 |
| 11/03/2019 14:00 | 81.3632 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 15:00 | 82.0866 |
| 11/03/2019 16:00 | 82.1097 |
| 11/03/2019 17:00 | 82.5969 |
| 11/03/2019 18:00 | 82.7559 |
| 11/03/2019 19:00 | 83.3179 |
| 11/03/2019 20:00 | 83.2235 |
| 11/03/2019 21:00 | 83.1621 |
| 11/03/2019 22:00 | 83.2087 |
| 11/03/2019 23:00 | 83.3618 |
| 12/03/2019 00:00 | 83.182 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-------------------------|
| 12/03/2019 01:00 | 82.9948 |
| 12/03/2019 02:00 | 82.7931 |
| 12/03/2019 03:00 | 82.5584 |
| 12/03/2019 04:00 | 82.3621 |
| 12/03/2019 05:00 | 82.1924 |
| 12/03/2019 06:00 | 82.0648 |
| 12/03/2019 07:00 | 81.9319 |
| 12/03/2019 08:00 | 81.7179 |
| 12/03/2019 09:00 | 81.3372 |
| 12/03/2019 10:00 | 81.0529 |
| 12/03/2019 11:00 | 80.8408 |
| 12/03/2019 12:00 | 80.6859 |
| 12/03/2019 13:00 | 79.3995 |
| 12/03/2019 14:00 | 77.7405 |
| 12/03/2019 15:00 | 77.9266 |
| 12/03/2019 16:00 | 77.9605 |
| 12/03/2019 17:00 | 78.1578 |
| 12/03/2019 18:00 | 78.3941 |
| 12/03/2019 19:00 | 78.713 |
| 12/03/2019 20:00 | 78.9892 |
| 12/03/2019 21:00 | 79.265 |
| 12/03/2019 22:00 | 79.5293 |
| 12/03/2019 23:00 | 79.8117 |
| 13/03/2019 00:00 | 80.0956 |
| 13/03/2019 01:00 | 80.3765 |
| 13/03/2019 02:00 | 80.6406 |
| 13/03/2019 03:00 | 80.8593 |
| 13/03/2019 04:00 | 81.1134 |
| 13/03/2019 05:00 | 81.3344 |
| 13/03/2019 06:00 | 81.5506 |
| 13/03/2019 07:00 | 81.7491 |
| 13/03/2019 08:00 | 81.9145 |
| 13/03/2019 09:00 | 82.0577 |
| 13/03/2019 10:00 | 82.1949 |
| 13/03/2019 11:00 | 82.3364 |
| 13/03/2019 12:00 | 82.4552 |
| 13/03/2019 13:00 | 82.5757 |
| 13/03/2019 14:00 | 82.7489 |
| 13/03/2019 15:00 | 82.8947 |
| 13/03/2019 16:00 | 83.0325 |
| 13/03/2019 17:00 | 83.1059 |
| 13/03/2019 18:00 | 83.265 |
| 13/03/2019 19:00 | 83.3609 |
| 13/03/2019 20:00 | 83.4397 |
| 13/03/2019 21:00 | 83.5153 |
| 13/03/2019 22:00 | 83.5618 |
| 13/03/2019 23:00 | 83.6047 |
| 14/03/2019 00:00 | 83.6516 |
| 14/03/2019 01:00 | 83.6904 |
| 14/03/2019 02:00 | 83.7442 |
| 14/03/2019 03:00 | 83.7805 |
| 14/03/2019 04:00 | 83.8122 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 11/03/2019 | CRE 38 CPG Cactus | 82.1618 |
| 12/03/2019 | CRE 38 CPG Cactus | 80.0332 |
| 13/03/2019 | CRE 38 CPG Cactus | 82.8907 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 05:00 | 80.619 |
| 11/03/2019 06:00 | 82.3709 |
| 11/03/2019 07:00 | 81.1717 |
| 11/03/2019 08:00 | 80.5595 |
| 11/03/2019 09:00 | 81.3632 |
| 11/03/2019 10:00 | 80.619 |
| 11/03/2019 11:00 | 82.3709 |
| 11/03/2019 12:00 | 81.1717 |
| 11/03/2019 13:00 | 80.5595 |
| 11/03/2019 14:00 | 81.3632 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 15:00 | 82.0866 |
| 11/03/2019 16:00 | 82.1097 |
| 11/03/2019 17:00 | 82.5969 |
| 11/03/2019 18:00 | 82.7559 |
| 11/03/2019 19:00 | 83.3179 |
| 11/03/2019 20:00 | 83.2235 |
| 11/03/2019 21:00 | 83.1621 |
| 11/03/2019 22:00 | 83.2087 |
| 11/03/2019 23:00 | 83.3618 |
| 12/03/2019 00:00 | 83.182 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-------------------------|
| 12/03/2019 01:00 | 82.9948 |
| 12/03/2019 02:00 | 82.7931 |
| 12/03/2019 03:00 | 82.5584 |
| 12/03/2019 04:00 | 82.3621 |
| 12/03/2019 05:00 | 82.1924 |
| 12/03/2019 06:00 | 82.0648 |
| 12/03/2019 07:00 | 81.9319 |
| 12/03/2019 08:00 | 81.7179 |
| 12/03/2019 09:00 | 81.3372 |
| 12/03/2019 10:00 | 81.0529 |
| 12/03/2019 11:00 | 80.8408 |
| 12/03/2019 12:00 | 80.6859 |
| 12/03/2019 13:00 | 79.3995 |
| 12/03/2019 14:00 | 77.7405 |
| 12/03/2019 15:00 | 77.9266 |
| 12/03/2019 16:00 | 77.9605 |
| 12/03/2019 17:00 | 78.1578 |
| 12/03/2019 18:00 | 78.3941 |
| 12/03/2019 19:00 | 78.713 |
| 12/03/2019 20:00 | 78.9892 |
| 12/03/2019 21:00 | 79.265 |
| 12/03/2019 22:00 | 79.5293 |
| 12/03/2019 23:00 | 79.8117 |
| 13/03/2019 00:00 | 80.0956 |
| 13/03/2019 01:00 | 80.3765 |
| 13/03/2019 02:00 | 80.6406 |
| 13/03/2019 03:00 | 80.8593 |
| 13/03/2019 04:00 | 81.1134 |
| 13/03/2019 05:00 | 81.3344 |
| 13/03/2019 06:00 | 81.5506 |
| 13/03/2019 07:00 | 81.7491 |
| 13/03/2019 08:00 | 81.9145 |
| 13/03/2019 09:00 | 82.0577 |
| 13/03/2019 10:00 | 82.1949 |
| 13/03/2019 11:00 | 82.3364 |
| 13/03/2019 12:00 | 82.4552 |
| 13/03/2019 13:00 | 82.5757 |
| 13/03/2019 14:00 | 82.7489 |
| 13/03/2019 15:00 | 82.8947 |
| 13/03/2019 16:00 | 83.0325 |
| 13/03/2019 17:00 | 83.1059 |
| 13/03/2019 18:00 | 83.265 |
| 13/03/2019 19:00 | 83.3609 |
| 13/03/2019 20:00 | 83.4397 |
| 13/03/2019 21:00 | 83.5153 |
| 13/03/2019 22:00 | 83.5618 |
| 13/03/2019 23:00 | 83.6047 |
| 14/03/2019 00:00 | 83.6516 |
| 14/03/2019 01:00 | 83.6904 |
| 14/03/2019 02:00 | 83.7442 |
| 14/03/2019 03:00 | 83.7805 |
| 14/03/2019 04:00 | 83.8122 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 11/03/2019 | CRE 39 KM-100 | 82.2945 |
| 12/03/2019 | CRE 39 KM-100 | 79.9766 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 09:00 | 81.3632 |
| 11/03/2019 10:00 | 80.619 |
| 11/03/2019 11:00 | 82.3709 |
| 11/03/2019 12:00 | 81.1717 |
| 11/03/2019 13:00 | 80.5595 |
| 11/03/2019 14:00 | 81.3632 |
| 11/03/2019 15:00 | 82.0866 |
| 11/03/2019 16:00 | 82.1097 |
| 11/03/2019 17:00 | 82.5969 |
| 11/03/2019 18:00 | 82.7559 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 19:00 | 83.3179 |
| 11/03/2019 20:00 | 83.2235 |
| 11/03/2019 21:00 | 83.1621 |
| 11/03/2019 22:00 | 83.2087 |
| 11/03/2019 23:00 | 83.3618 |
| 12/03/2019 00:00 | 83.182 |
| 12/03/2019 01:00 | 82.9948 |
| 12/03/2019 02:00 | 82.7931 |
| 12/03/2019 03:00 | 82.5584 |
| 12/03/2019 04:00 | 82.3621 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-------------------------|
| 12/03/2019 05:00 | 82.1924 |
| 12/03/2019 06:00 | 82.0648 |
| 12/03/2019 07:00 | 81.9319 |
| 12/03/2019 08:00 | 81.7179 |
| 12/03/2019 09:00 | 81.3372 |
| 12/03/2019 10:00 | 81.0529 |
| 12/03/2019 11:00 | 80.8408 |
| 12/03/2019 12:00 | 80.6859 |
| 12/03/2019 13:00 | 79.3995 |
| 12/03/2019 14:00 | 77.7405 |
| 12/03/2019 15:00 | 77.9266 |
| 12/03/2019 16:00 | 77.9605 |
| 12/03/2019 17:00 | 78.1578 |
| 12/03/2019 18:00 | 78.3941 |
| 12/03/2019 19:00 | 78.713 |
| 12/03/2019 20:00 | 78.9892 |
| 12/03/2019 21:00 | 79.265 |
| 12/03/2019 22:00 | 79.5293 |
| 12/03/2019 23:00 | 79.8117 |
| 13/03/2019 00:00 | 80.0956 |
| 13/03/2019 01:00 | 80.3765 |
| 13/03/2019 02:00 | 80.6406 |
| 13/03/2019 03:00 | 80.8593 |
| 13/03/2019 04:00 | 81.1134 |
| 13/03/2019 05:00 | 81.3344 |
| 13/03/2019 06:00 | 81.5506 |
| 13/03/2019 07:00 | 81.7491 |
| 13/03/2019 08:00 | 81.9145 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 11/03/2019 | CRE 40 CPG Nuevo Pemex | 82.6174 |
| 12/03/2019 | CRE 40 CPG Nuevo Pemex | 82.7712 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 05:00 | 83.5962 |
| 11/03/2019 06:00 | 82.3456 |
| 11/03/2019 07:00 | 82.9809 |
| 11/03/2019 08:00 | 83.2998 |
| 11/03/2019 09:00 | 82.1958 |
| 11/03/2019 10:00 | 82.4369 |
| 11/03/2019 11:00 | 81.5191 |
| 11/03/2019 12:00 | 79.4475 |
| 11/03/2019 13:00 | 80.6066 |
| 11/03/2019 14:00 | 81.6762 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 11/03/2019 15:00 | 82.1311 |
| 11/03/2019 16:00 | 82.3825 |
| 11/03/2019 17:00 | 82.6194 |
| 11/03/2019 18:00 | 83.0036 |
| 11/03/2019 19:00 | 83.3748 |
| 11/03/2019 20:00 | 83.1412 |
| 11/03/2019 21:00 | 83.1693 |
| 11/03/2019 22:00 | 83.4842 |
| 11/03/2019 23:00 | 83.2343 |
| 12/03/2019 00:00 | 83.25 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-------------------------|
| 12/03/2019 01:00 | 83.0948 |
| 12/03/2019 02:00 | 83.227 |
| 12/03/2019 03:00 | 83.2115 |
| 12/03/2019 04:00 | 83.3897 |
| 12/03/2019 05:00 | 83.2673 |
| 12/03/2019 06:00 | 83.3341 |
| 12/03/2019 07:00 | 83.3342 |
| 12/03/2019 08:00 | 83.3805 |
| 12/03/2019 09:00 | 83.2029 |
| 12/03/2019 10:00 | 83.1761 |
| 12/03/2019 11:00 | 83.5064 |
| 12/03/2019 12:00 | 83.9461 |
| 12/03/2019 13:00 | 80.7962 |
| 12/03/2019 14:00 | 79.1787 |
| 12/03/2019 15:00 | 80.8247 |
| 12/03/2019 16:00 | 81.7667 |
| 12/03/2019 17:00 | 81.3933 |
| 12/03/2019 18:00 | 82.1522 |
| 12/03/2019 19:00 | 82.3155 |
| 12/03/2019 20:00 | 82.911 |
| 12/03/2019 21:00 | 83.0609 |
| 12/03/2019 22:00 | 83.1696 |
| 12/03/2019 23:00 | 83.2392 |
| 13/03/2019 00:00 | 83.7522 |
| 13/03/2019 01:00 | 83.7726 |
| 13/03/2019 02:00 | 83.9096 |
| 13/03/2019 03:00 | 83.623 |
| 13/03/2019 04:00 | 83.4968 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 41 CPG La Venta | 81.728 |
| 11/03/2019 | CRE 41 CPG La Venta | 82.7362 |
| 12/03/2019 | CRE 41 CPG La Venta | 82.803 |
| 14/03/2019 | CRE 41 CPG La Venta | 82.7282 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 35 Troncal 48" | 12.5932 |
| 09/03/2019 | CRE 35 Troncal 48" | 13.0693 |
| 10/03/2019 | CRE 35 Troncal 48" | 13.2058 |
| 11/03/2019 | CRE 35 Troncal 48" | 13.2206 |
| 12/03/2019 | CRE 35 Troncal 48" | 13.1161 |
| 13/03/2019 | CRE 35 Troncal 48" | 12.6639 |
| 14/03/2019 | CRE 35 Troncal 48" | 12.7216 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 09:00 | 12.744 |
| 08/03/2019 10:00 | 12.757 |
| 08/03/2019 11:00 | 12.7701 |
| 08/03/2019 12:00 | 12.59 |
| 08/03/2019 13:00 | 12.6601 |
| 08/03/2019 14:00 | 13.0591 |
| 08/03/2019 15:00 | 12.9371 |
| 08/03/2019 16:00 | 12.8831 |
| 08/03/2019 17:00 | 12.7679 |
| 08/03/2019 18:00 | 12.799 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 19:00 | 12.6279 |
| 08/03/2019 20:00 | 12.667 |
| 08/03/2019 21:00 | 12.4561 |
| 08/03/2019 22:00 | 12.415 |
| 08/03/2019 23:00 | 12.6529 |
| 09/03/2019 00:00 | 12.7201 |
| 09/03/2019 01:00 | 13.017 |
| 09/03/2019 02:00 | 12.94 |
| 09/03/2019 03:00 | 12.9611 |
| 09/03/2019 04:00 | 12.9771 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 09/03/2019 05:00 | 11.576 |
| 09/03/2019 06:00 | 11.153 |
| 09/03/2019 07:00 | 11.0079 |
| 09/03/2019 08:00 | 13.0991 |
| 09/03/2019 09:00 | 13.0603 |
| 09/03/2019 10:00 | 12.8371 |
| 09/03/2019 11:00 | 12.2414 |
| 09/03/2019 12:00 | 12.9489 |
| 09/03/2019 13:00 | 12.8561 |
| 09/03/2019 14:00 | 13.067 |
| 09/03/2019 15:00 | 13.181 |
| 09/03/2019 16:00 | 13.1758 |
| 09/03/2019 17:00 | 13.2111 |
| 09/03/2019 18:00 | 13.1971 |
| 09/03/2019 19:00 | 13.2931 |
| 09/03/2019 20:00 | 12.977 |
| 09/03/2019 21:00 | 13.1923 |
| 09/03/2019 22:00 | 12.9801 |
| 09/03/2019 23:00 | 13.3531 |
| 10/03/2019 00:00 | 13.3191 |
| 10/03/2019 01:00 | 12.9991 |
| 10/03/2019 02:00 | 13.2441 |
| 10/03/2019 03:00 | 13.0691 |
| 10/03/2019 04:00 | 12.9151 |
| 10/03/2019 05:00 | 13.0187 |
| 10/03/2019 06:00 | 12.9783 |
| 10/03/2019 07:00 | 13.2303 |
| 10/03/2019 08:00 | 13.3181 |
| 10/03/2019 09:00 | 12.9064 |
| 10/03/2019 10:00 | 12.9644 |
| 10/03/2019 11:00 | 12.8261 |
| 10/03/2019 12:00 | 12.9393 |
| 10/03/2019 13:00 | 13.8378 |
| 10/03/2019 14:00 | 13.3598 |
| 10/03/2019 15:00 | 13.3528 |
| 10/03/2019 16:00 | 13.4861 |
| 10/03/2019 17:00 | 13.2661 |
| 10/03/2019 18:00 | 13.5474 |
| 10/03/2019 19:00 | 13.1541 |
| 10/03/2019 20:00 | 13.4299 |
| 10/03/2019 21:00 | 13.0491 |
| 10/03/2019 22:00 | 12.8 |
| 10/03/2019 23:00 | 13.252 |
| 11/03/2019 00:00 | 13.3071 |
| 11/03/2019 01:00 | 13.2331 |
| 11/03/2019 02:00 | 13.2513 |
| 11/03/2019 03:00 | 13.0851 |
| 11/03/2019 04:00 | 13.0881 |
| 11/03/2019 05:00 | 13.057 |
| 11/03/2019 06:00 | 12.9753 |
| 11/03/2019 07:00 | 13.1111 |
| 11/03/2019 08:00 | 13.6605 |
| 11/03/2019 09:00 | 13.3741 |
| 11/03/2019 10:00 | 12.99 |
| 11/03/2019 11:00 | 12.9083 |
| 11/03/2019 12:00 | 12.408 |
| 11/03/2019 13:00 | 13.374 |
| 11/03/2019 14:00 | 13.4993 |
| 11/03/2019 15:00 | 13.2223 |
| 11/03/2019 16:00 | 13.4251 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 11/03/2019 17:00 | 13.672 |
| 11/03/2019 18:00 | 13.3471 |
| 11/03/2019 19:00 | 13.0399 |
| 11/03/2019 20:00 | 13.2673 |
| 11/03/2019 21:00 | 13.196 |
| 11/03/2019 22:00 | 13.0551 |
| 11/03/2019 23:00 | 13.3501 |
| 12/03/2019 00:00 | 13.288 |
| 12/03/2019 01:00 | 13.441 |
| 12/03/2019 02:00 | 13.2701 |
| 12/03/2019 03:00 | 13.3099 |
| 12/03/2019 04:00 | 13.2021 |
| 12/03/2019 05:00 | 13.2103 |
| 12/03/2019 06:00 | 13.1139 |
| 12/03/2019 07:00 | 13.1031 |
| 12/03/2019 08:00 | 13.228 |
| 12/03/2019 09:00 | 13.557 |
| 12/03/2019 10:00 | 13.5183 |
| 12/03/2019 11:00 | 12.8981 |
| 12/03/2019 12:00 | 10.7771 |
| 12/03/2019 13:00 | 10.425 |
| 12/03/2019 14:00 | 11.636 |
| 12/03/2019 15:00 | 13.0663 |
| 12/03/2019 16:00 | 12.808 |
| 12/03/2019 17:00 | 13.8579 |
| 12/03/2019 18:00 | 14.2683 |
| 12/03/2019 19:00 | 14.1478 |
| 12/03/2019 20:00 | 13.9623 |
| 12/03/2019 21:00 | 13.8813 |
| 12/03/2019 22:00 | 13.762 |
| 12/03/2019 23:00 | 13.5621 |
| 13/03/2019 00:00 | 12.9751 |
| 13/03/2019 01:00 | 13.0923 |
| 13/03/2019 02:00 | 13.087 |
| 13/03/2019 03:00 | 12.9421 |
| 13/03/2019 04:00 | 13.16 |
| 13/03/2019 05:00 | 13.3801 |
| 13/03/2019 06:00 | 13.455 |
| 13/03/2019 07:00 | 13.4961 |
| 13/03/2019 08:00 | 13.0713 |
| 13/03/2019 09:00 | 12.6591 |
| 13/03/2019 10:00 | 12.8403 |
| 13/03/2019 11:00 | 12.7871 |
| 13/03/2019 12:00 | 12.7183 |
| 13/03/2019 13:00 | 12.1772 |
| 13/03/2019 14:00 | 13.05 |
| 13/03/2019 15:00 | 13.137 |
| 13/03/2019 16:00 | 12.8931 |
| 13/03/2019 17:00 | 13.0253 |
| 13/03/2019 18:00 | 12.6461 |
| 13/03/2019 19:00 | 12.6139 |
| 13/03/2019 20:00 | 12.431 |
| 13/03/2019 21:00 | 12.3532 |
| 13/03/2019 22:00 | 12.1981 |
| 13/03/2019 23:00 | 11.9271 |
| 14/03/2019 00:00 | 11.9261 |
| 14/03/2019 01:00 | 12.408 |
| 14/03/2019 02:00 | 12.6441 |
| 14/03/2019 03:00 | 12.6493 |
| 14/03/2019 04:00 | 12.5221 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 14/03/2019 05:00 | 13.2201 |
| 14/03/2019 06:00 | 13.2141 |
| 14/03/2019 07:00 | 12.9841 |
| 14/03/2019 08:00 | 12.9091 |
| 14/03/2019 09:00 | 12.1042 |
| 14/03/2019 10:00 | 12.1181 |
| 14/03/2019 11:00 | 11.7221 |
| 14/03/2019 12:00 | 12.3901 |
| 14/03/2019 13:00 | 12.5441 |
| 14/03/2019 14:00 | 12.303 |
| 14/03/2019 15:00 | 12.99 |
| 14/03/2019 16:00 | 13.063 |
| 14/03/2019 17:00 | 12.9751 |
| 14/03/2019 18:00 | 13.085 |
| 14/03/2019 19:00 | 13.0949 |
| 14/03/2019 20:00 | 13.232 |
| 14/03/2019 21:00 | 13.269 |
| 14/03/2019 22:00 | 13.2 |
| 14/03/2019 23:00 | 13.378 |
| 15/03/2019 00:00 | 13.2571 |
| 15/03/2019 01:00 | 13.1351 |
| 15/03/2019 02:00 | 12.8993 |
| 15/03/2019 03:00 | 13.0549 |
| 15/03/2019 04:00 | 13.091 |
| 15/03/2019 05:00 | 12.4201 |
| 15/03/2019 06:00 | 12.3021 |
| 15/03/2019 07:00 | 11.7482 |
| 15/03/2019 08:00 | 11.9421 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 37 CPG Ciudad Pemex | 12.2479 |
| 09/03/2019 | CRE 37 CPG Ciudad Pemex | 11.2667 |
| 10/03/2019 | CRE 37 CPG Ciudad Pemex | 11.6298 |
| 11/03/2019 | CRE 37 CPG Ciudad Pemex | 13.095 |
| 12/03/2019 | CRE 37 CPG Ciudad Pemex | 11.1449 |
| 13/03/2019 | CRE 37 CPG Ciudad Pemex | 10.6007 |
| 14/03/2019 | CRE 37 CPG Ciudad Pemex | 10.6462 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 05:00 | 12.4679 |
| 08/03/2019 06:00 | 12.4589 |
| 08/03/2019 07:00 | 12.4502 |
| 08/03/2019 08:00 | 12.4235 |
| 08/03/2019 09:00 | 12.4088 |
| 08/03/2019 10:00 | 11.9465 |
| 08/03/2019 11:00 | 10.8104 |
| 08/03/2019 12:00 | 10.1378 |
| 08/03/2019 13:00 | 12.2095 |
| 08/03/2019 14:00 | 11.9465 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 15:00 | 10.8104 |
| 08/03/2019 16:00 | 12.6945 |
| 08/03/2019 17:00 | 12.6674 |
| 08/03/2019 18:00 | 12.6748 |
| 08/03/2019 19:00 | 12.6691 |
| 08/03/2019 20:00 | 12.6421 |
| 08/03/2019 21:00 | 12.6235 |
| 08/03/2019 22:00 | 12.6175 |
| 08/03/2019 23:00 | 12.6122 |
| 09/03/2019 00:00 | 12.5924 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 09/03/2019 01:00 | 12.5637 |
| 09/03/2019 02:00 | 12.5366 |
| 09/03/2019 03:00 | 12.5093 |
| 09/03/2019 04:00 | 12.477 |
| 09/03/2019 05:00 | 9.8829 |
| 09/03/2019 06:00 | 9.8847 |
| 09/03/2019 07:00 | 9.8893 |
| 09/03/2019 08:00 | 9.8982 |
| 09/03/2019 09:00 | 9.9106 |
| 09/03/2019 10:00 | 9.93 |
| 09/03/2019 11:00 | 9.9436 |
| 09/03/2019 12:00 | 9.954 |
| 09/03/2019 13:00 | 9.9644 |
| 09/03/2019 14:00 | 9.9768 |
| 09/03/2019 15:00 | 9.993 |
| 09/03/2019 16:00 | 10.0083 |
| 09/03/2019 17:00 | 12.3496 |
| 09/03/2019 18:00 | 12.3502 |
| 09/03/2019 19:00 | 12.3605 |
| 09/03/2019 20:00 | 12.3929 |
| 09/03/2019 21:00 | 12.4754 |
| 09/03/2019 22:00 | 12.6225 |
| 09/03/2019 23:00 | 12.6738 |
| 10/03/2019 00:00 | 12.7389 |
| 10/03/2019 01:00 | 12.774 |
| 10/03/2019 02:00 | 12.7839 |
| 10/03/2019 03:00 | 12.8204 |
| 10/03/2019 04:00 | 12.8223 |
| 10/03/2019 05:00 | 9.8829 |
| 10/03/2019 06:00 | 9.8847 |
| 10/03/2019 07:00 | 9.8893 |
| 10/03/2019 08:00 | 9.8982 |
| 10/03/2019 09:00 | 9.9106 |
| 10/03/2019 10:00 | 9.93 |
| 10/03/2019 11:00 | 9.9436 |
| 10/03/2019 12:00 | 9.954 |
| 10/03/2019 13:00 | 12.7958 |
| 10/03/2019 14:00 | 12.7915 |
| 10/03/2019 15:00 | 12.8122 |
| 10/03/2019 16:00 | 12.8238 |
| 10/03/2019 17:00 | 12.8616 |
| 10/03/2019 18:00 | 12.9106 |
| 10/03/2019 19:00 | 11.6945 |
| 10/03/2019 20:00 | 10.5995 |
| 10/03/2019 21:00 | 12.6235 |
| 10/03/2019 22:00 | 12.6175 |
| 10/03/2019 23:00 | 12.6122 |
| 11/03/2019 00:00 | 12.5924 |
| 11/03/2019 01:00 | 12.5637 |
| 11/03/2019 02:00 | 12.5366 |
| 11/03/2019 03:00 | 12.5093 |
| 11/03/2019 04:00 | 12.477 |
| 11/03/2019 05:00 | 12.3681 |
| 11/03/2019 06:00 | 12.6927 |
| 11/03/2019 07:00 | 12.8682 |
| 11/03/2019 08:00 | 13.1396 |
| 11/03/2019 09:00 | 13.5495 |
| 11/03/2019 10:00 | 12.3681 |
| 11/03/2019 11:00 | 12.6927 |
| 11/03/2019 12:00 | 12.8682 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 11/03/2019 13:00 | 13.1396 |
| 11/03/2019 14:00 | 13.5495 |
| 11/03/2019 15:00 | 13.1994 |
| 11/03/2019 16:00 | 13.3643 |
| 11/03/2019 17:00 | 13.5794 |
| 11/03/2019 18:00 | 13.5256 |
| 11/03/2019 19:00 | 13.0523 |
| 11/03/2019 20:00 | 13.1845 |
| 11/03/2019 21:00 | 13.199 |
| 11/03/2019 22:00 | 13.1576 |
| 11/03/2019 23:00 | 13.0669 |
| 12/03/2019 00:00 | 13.0805 |
| 12/03/2019 01:00 | 13.1112 |
| 12/03/2019 02:00 | 13.1589 |
| 12/03/2019 03:00 | 13.1824 |
| 12/03/2019 04:00 | 13.1813 |
| 12/03/2019 05:00 | 13.1664 |
| 12/03/2019 06:00 | 13.1443 |
| 12/03/2019 07:00 | 13.114 |
| 12/03/2019 08:00 | 13.0586 |
| 12/03/2019 09:00 | 12.9542 |
| 12/03/2019 10:00 | 12.8365 |
| 12/03/2019 11:00 | 12.7176 |
| 12/03/2019 12:00 | 12.6041 |
| 12/03/2019 13:00 | 11.7072 |
| 12/03/2019 14:00 | 10.3444 |
| 12/03/2019 15:00 | 10.2515 |
| 12/03/2019 16:00 | 10.0987 |
| 12/03/2019 17:00 | 10.0303 |
| 12/03/2019 18:00 | 9.9835 |
| 12/03/2019 19:00 | 10.019 |
| 12/03/2019 20:00 | 10.0427 |
| 12/03/2019 21:00 | 10.149 |
| 12/03/2019 22:00 | 10.0851 |
| 12/03/2019 23:00 | 10.1042 |
| 13/03/2019 00:00 | 10.1389 |
| 13/03/2019 01:00 | 10.1731 |
| 13/03/2019 02:00 | 10.2145 |
| 13/03/2019 03:00 | 10.2504 |
| 13/03/2019 04:00 | 10.2896 |
| 13/03/2019 05:00 | 10.3273 |
| 13/03/2019 06:00 | 10.3636 |
| 13/03/2019 07:00 | 10.4044 |
| 13/03/2019 08:00 | 10.4398 |
| 13/03/2019 09:00 | 10.4696 |
| 13/03/2019 10:00 | 10.4985 |
| 13/03/2019 11:00 | 10.5321 |
| 13/03/2019 12:00 | 10.5614 |
| 13/03/2019 13:00 | 10.5802 |
| 13/03/2019 14:00 | 10.6336 |
| 13/03/2019 15:00 | 10.6548 |
| 13/03/2019 16:00 | 10.6758 |
| 13/03/2019 17:00 | 10.683 |
| 13/03/2019 18:00 | 10.6931 |
| 13/03/2019 19:00 | 10.6955 |
| 13/03/2019 20:00 | 10.6961 |
| 13/03/2019 21:00 | 10.6963 |
| 13/03/2019 22:00 | 10.6957 |
| 13/03/2019 23:00 | 10.6954 |
| 14/03/2019 00:00 | 10.6929 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 14/03/2019 01:00 | 10.6901 |
| 14/03/2019 02:00 | 10.6849 |
| 14/03/2019 03:00 | 10.6796 |
| 14/03/2019 04:00 | 10.6736 |
| 14/03/2019 05:00 | 10.6684 |
| 14/03/2019 06:00 | 10.6612 |
| 14/03/2019 07:00 | 10.654 |
| 14/03/2019 08:00 | 10.6453 |
| 14/03/2019 09:00 | 10.6352 |
| 14/03/2019 10:00 | 10.6269 |
| 14/03/2019 11:00 | 10.6248 |
| 14/03/2019 12:00 | 10.6248 |
| 14/03/2019 13:00 | 8.8547 |
| 14/03/2019 14:00 | 10.6342 |
| 14/03/2019 15:00 | 10.654 |
| 14/03/2019 16:00 | 10.6572 |
| 14/03/2019 17:00 | 10.6724 |
| 14/03/2019 18:00 | 10.6888 |
| 14/03/2019 19:00 | 10.706 |
| 14/03/2019 20:00 | 10.7243 |
| 14/03/2019 21:00 | 10.758 |
| 14/03/2019 22:00 | 10.8041 |
| 14/03/2019 23:00 | 10.8355 |
| 15/03/2019 00:00 | 10.8605 |
| 15/03/2019 01:00 | 10.8747 |
| 15/03/2019 02:00 | 10.881 |
| 15/03/2019 03:00 | 10.8811 |
| 15/03/2019 04:00 | 10.8819 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 38 CPG Cactus | 12.2479 |
| 09/03/2019 | CRE 38 CPG Cactus | 11.2667 |
| 10/03/2019 | CRE 38 CPG Cactus | 11.6298 |
| 11/03/2019 | CRE 38 CPG Cactus | 13.095 |
| 12/03/2019 | CRE 38 CPG Cactus | 11.1449 |
| 13/03/2019 | CRE 38 CPG Cactus | 10.6007 |
| 14/03/2019 | CRE 38 CPG Cactus | 10.6462 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 05:00 | 12.4679 |
| 08/03/2019 06:00 | 12.4589 |
| 08/03/2019 07:00 | 12.4502 |
| 08/03/2019 08:00 | 12.4235 |
| 08/03/2019 09:00 | 12.4088 |
| 08/03/2019 10:00 | 11.9465 |
| 08/03/2019 11:00 | 10.8104 |
| 08/03/2019 12:00 | 10.1378 |
| 08/03/2019 13:00 | 12.2095 |
| 08/03/2019 14:00 | 11.9465 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 15:00 | 10.8104 |
| 08/03/2019 16:00 | 12.6945 |
| 08/03/2019 17:00 | 12.6674 |
| 08/03/2019 18:00 | 12.6748 |
| 08/03/2019 19:00 | 12.6691 |
| 08/03/2019 20:00 | 12.6421 |
| 08/03/2019 21:00 | 12.6235 |
| 08/03/2019 22:00 | 12.6175 |
| 08/03/2019 23:00 | 12.6122 |
| 09/03/2019 00:00 | 12.5924 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 09/03/2019 01:00 | 12.5637 |
| 09/03/2019 02:00 | 12.5366 |
| 09/03/2019 03:00 | 12.5093 |
| 09/03/2019 04:00 | 12.477 |
| 09/03/2019 05:00 | 9.8829 |
| 09/03/2019 06:00 | 9.8847 |
| 09/03/2019 07:00 | 9.8893 |
| 09/03/2019 08:00 | 9.8982 |
| 09/03/2019 09:00 | 9.9106 |
| 09/03/2019 10:00 | 9.93 |
| 09/03/2019 11:00 | 9.9436 |
| 09/03/2019 12:00 | 9.954 |
| 09/03/2019 13:00 | 9.9644 |
| 09/03/2019 14:00 | 9.9768 |
| 09/03/2019 15:00 | 9.993 |
| 09/03/2019 16:00 | 10.0083 |
| 09/03/2019 17:00 | 12.3496 |
| 09/03/2019 18:00 | 12.3502 |
| 09/03/2019 19:00 | 12.3605 |
| 09/03/2019 20:00 | 12.3929 |
| 09/03/2019 21:00 | 12.4754 |
| 09/03/2019 22:00 | 12.6225 |
| 09/03/2019 23:00 | 12.6738 |
| 10/03/2019 00:00 | 12.7389 |
| 10/03/2019 01:00 | 12.774 |
| 10/03/2019 02:00 | 12.7839 |
| 10/03/2019 03:00 | 12.8204 |
| 10/03/2019 04:00 | 12.8223 |
| 10/03/2019 05:00 | 9.8829 |
| 10/03/2019 06:00 | 9.8847 |
| 10/03/2019 07:00 | 9.8893 |
| 10/03/2019 08:00 | 9.8982 |
| 10/03/2019 09:00 | 9.9106 |
| 10/03/2019 10:00 | 9.93 |
| 10/03/2019 11:00 | 9.9436 |
| 10/03/2019 12:00 | 9.954 |
| 10/03/2019 13:00 | 12.7958 |
| 10/03/2019 14:00 | 12.7915 |
| 10/03/2019 15:00 | 12.8122 |
| 10/03/2019 16:00 | 12.8238 |
| 10/03/2019 17:00 | 12.8616 |
| 10/03/2019 18:00 | 12.9106 |
| 10/03/2019 19:00 | 11.6945 |
| 10/03/2019 20:00 | 10.5995 |
| 10/03/2019 21:00 | 12.6235 |
| 10/03/2019 22:00 | 12.6175 |
| 10/03/2019 23:00 | 12.6122 |
| 11/03/2019 00:00 | 12.5924 |
| 11/03/2019 01:00 | 12.5637 |
| 11/03/2019 02:00 | 12.5366 |
| 11/03/2019 03:00 | 12.5093 |
| 11/03/2019 04:00 | 12.477 |
| 11/03/2019 05:00 | 12.3681 |
| 11/03/2019 06:00 | 12.6927 |
| 11/03/2019 07:00 | 12.8682 |
| 11/03/2019 08:00 | 13.1396 |
| 11/03/2019 09:00 | 13.5495 |
| 11/03/2019 10:00 | 12.3681 |
| 11/03/2019 11:00 | 12.6927 |
| 11/03/2019 12:00 | 12.8682 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 11/03/2019 13:00 | 13.1396 |
| 11/03/2019 14:00 | 13.5495 |
| 11/03/2019 15:00 | 13.1994 |
| 11/03/2019 16:00 | 13.3643 |
| 11/03/2019 17:00 | 13.5794 |
| 11/03/2019 18:00 | 13.5256 |
| 11/03/2019 19:00 | 13.0523 |
| 11/03/2019 20:00 | 13.1845 |
| 11/03/2019 21:00 | 13.199 |
| 11/03/2019 22:00 | 13.1576 |
| 11/03/2019 23:00 | 13.0669 |
| 12/03/2019 00:00 | 13.0805 |
| 12/03/2019 01:00 | 13.1112 |
| 12/03/2019 02:00 | 13.1589 |
| 12/03/2019 03:00 | 13.1824 |
| 12/03/2019 04:00 | 13.1813 |
| 12/03/2019 05:00 | 13.1664 |
| 12/03/2019 06:00 | 13.1443 |
| 12/03/2019 07:00 | 13.114 |
| 12/03/2019 08:00 | 13.0586 |
| 12/03/2019 09:00 | 12.9542 |
| 12/03/2019 10:00 | 12.8365 |
| 12/03/2019 11:00 | 12.7176 |
| 12/03/2019 12:00 | 12.6041 |
| 12/03/2019 13:00 | 11.7072 |
| 12/03/2019 14:00 | 10.3444 |
| 12/03/2019 15:00 | 10.2515 |
| 12/03/2019 16:00 | 10.0987 |
| 12/03/2019 17:00 | 10.0303 |
| 12/03/2019 18:00 | 9.9835 |
| 12/03/2019 19:00 | 10.019 |
| 12/03/2019 20:00 | 10.0427 |
| 12/03/2019 21:00 | 10.149 |
| 12/03/2019 22:00 | 10.0851 |
| 12/03/2019 23:00 | 10.1042 |
| 13/03/2019 00:00 | 10.1389 |
| 13/03/2019 01:00 | 10.1731 |
| 13/03/2019 02:00 | 10.2145 |
| 13/03/2019 03:00 | 10.2504 |
| 13/03/2019 04:00 | 10.2896 |
| 13/03/2019 05:00 | 10.3273 |
| 13/03/2019 06:00 | 10.3636 |
| 13/03/2019 07:00 | 10.4044 |
| 13/03/2019 08:00 | 10.4398 |
| 13/03/2019 09:00 | 10.4696 |
| 13/03/2019 10:00 | 10.4985 |
| 13/03/2019 11:00 | 10.5321 |
| 13/03/2019 12:00 | 10.5614 |
| 13/03/2019 13:00 | 10.5802 |
| 13/03/2019 14:00 | 10.6336 |
| 13/03/2019 15:00 | 10.6548 |
| 13/03/2019 16:00 | 10.6758 |
| 13/03/2019 17:00 | 10.683 |
| 13/03/2019 18:00 | 10.6931 |
| 13/03/2019 19:00 | 10.6955 |
| 13/03/2019 20:00 | 10.6961 |
| 13/03/2019 21:00 | 10.6963 |
| 13/03/2019 22:00 | 10.6957 |
| 13/03/2019 23:00 | 10.6954 |
| 14/03/2019 00:00 | 10.6929 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 14/03/2019 01:00 | 10.6901 |
| 14/03/2019 02:00 | 10.6849 |
| 14/03/2019 03:00 | 10.6796 |
| 14/03/2019 04:00 | 10.6736 |
| 14/03/2019 05:00 | 10.6684 |
| 14/03/2019 06:00 | 10.6612 |
| 14/03/2019 07:00 | 10.654 |
| 14/03/2019 08:00 | 10.6453 |
| 14/03/2019 09:00 | 10.6352 |
| 14/03/2019 10:00 | 10.6269 |
| 14/03/2019 11:00 | 10.6248 |
| 14/03/2019 12:00 | 10.6248 |
| 14/03/2019 13:00 | 8.8547 |
| 14/03/2019 14:00 | 10.6342 |
| 14/03/2019 15:00 | 10.654 |
| 14/03/2019 16:00 | 10.6572 |
| 14/03/2019 17:00 | 10.6724 |
| 14/03/2019 18:00 | 10.6888 |
| 14/03/2019 19:00 | 10.706 |
| 14/03/2019 20:00 | 10.7243 |
| 14/03/2019 21:00 | 10.758 |
| 14/03/2019 22:00 | 10.8041 |
| 14/03/2019 23:00 | 10.8355 |
| 15/03/2019 00:00 | 10.8605 |
| 15/03/2019 01:00 | 10.8747 |
| 15/03/2019 02:00 | 10.881 |
| 15/03/2019 03:00 | 10.8811 |
| 15/03/2019 04:00 | 10.8819 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 39 KM-100 | 11.821 |
| 09/03/2019 | CRE 39 KM-100 | 11.2667 |
| 10/03/2019 | CRE 39 KM-100 | 12.1095 |
| 11/03/2019 | CRE 39 KM-100 | 13.1539 |
| 12/03/2019 | CRE 39 KM-100 | 10.6887 |
| 13/03/2019 | CRE 39 KM-100 | 10.6463 |
| 14/03/2019 | CRE 39 KM-100 | 10.6833 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 09:00 | 12.4088 |
| 08/03/2019 10:00 | 11.9465 |
| 08/03/2019 11:00 | 10.8104 |
| 08/03/2019 12:00 | 10.1378 |
| 08/03/2019 13:00 | 12.2095 |
| 08/03/2019 14:00 | 11.9465 |
| 08/03/2019 15:00 | 10.8104 |
| 08/03/2019 16:00 | 12.6945 |
| 08/03/2019 17:00 | 12.6674 |
| 08/03/2019 18:00 | 12.6748 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 19:00 | 12.6691 |
| 08/03/2019 20:00 | 12.6421 |
| 08/03/2019 21:00 | 12.6235 |
| 08/03/2019 22:00 | 12.6175 |
| 08/03/2019 23:00 | 12.6122 |
| 09/03/2019 00:00 | 12.5924 |
| 09/03/2019 01:00 | 12.5637 |
| 09/03/2019 02:00 | 12.5366 |
| 09/03/2019 03:00 | 12.5093 |
| 09/03/2019 04:00 | 12.477 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 09/03/2019 05:00 | 9.8829 |
| 09/03/2019 06:00 | 9.8847 |
| 09/03/2019 07:00 | 9.8893 |
| 09/03/2019 08:00 | 9.8982 |
| 09/03/2019 09:00 | 9.9106 |
| 09/03/2019 10:00 | 9.93 |
| 09/03/2019 11:00 | 9.9436 |
| 09/03/2019 12:00 | 9.954 |
| 09/03/2019 13:00 | 9.9644 |
| 09/03/2019 14:00 | 9.9768 |
| 09/03/2019 15:00 | 9.993 |
| 09/03/2019 16:00 | 10.0083 |
| 09/03/2019 17:00 | 12.3496 |
| 09/03/2019 18:00 | 12.3502 |
| 09/03/2019 19:00 | 12.3605 |
| 09/03/2019 20:00 | 12.3929 |
| 09/03/2019 21:00 | 12.4754 |
| 09/03/2019 22:00 | 12.6225 |
| 09/03/2019 23:00 | 12.6738 |
| 10/03/2019 00:00 | 12.7389 |
| 10/03/2019 01:00 | 12.774 |
| 10/03/2019 02:00 | 12.7839 |
| 10/03/2019 03:00 | 12.8204 |
| 10/03/2019 04:00 | 12.8223 |
| 10/03/2019 05:00 | 9.8829 |
| 10/03/2019 06:00 | 9.8847 |
| 10/03/2019 07:00 | 9.8893 |
| 10/03/2019 08:00 | 9.8982 |
| 10/03/2019 09:00 | 9.9106 |
| 10/03/2019 10:00 | 9.93 |
| 10/03/2019 11:00 | 9.9436 |
| 10/03/2019 12:00 | 9.954 |
| 10/03/2019 13:00 | 12.7958 |
| 10/03/2019 14:00 | 12.7915 |
| 10/03/2019 15:00 | 12.8122 |
| 10/03/2019 16:00 | 12.8238 |
| 10/03/2019 17:00 | 12.8616 |
| 10/03/2019 18:00 | 12.9106 |
| 10/03/2019 19:00 | 11.6945 |
| 10/03/2019 20:00 | 10.5995 |
| 10/03/2019 21:00 | 12.6235 |
| 10/03/2019 22:00 | 12.6175 |
| 10/03/2019 23:00 | 12.6122 |
| 11/03/2019 00:00 | 12.5924 |
| 11/03/2019 01:00 | 12.5637 |
| 11/03/2019 02:00 | 12.5366 |
| 11/03/2019 03:00 | 12.5093 |
| 11/03/2019 04:00 | 12.477 |
| 11/03/2019 05:00 | 12.3681 |
| 11/03/2019 06:00 | 12.6927 |
| 11/03/2019 07:00 | 12.8682 |
| 11/03/2019 08:00 | 13.1396 |
| 11/03/2019 09:00 | 13.5495 |
| 11/03/2019 10:00 | 12.3681 |
| 11/03/2019 11:00 | 12.6927 |
| 11/03/2019 12:00 | 12.8682 |
| 11/03/2019 13:00 | 13.1396 |
| 11/03/2019 14:00 | 13.5495 |
| 11/03/2019 15:00 | 13.1994 |
| 11/03/2019 16:00 | 13.3643 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 11/03/2019 17:00 | 13.5794 |
| 11/03/2019 18:00 | 13.5256 |
| 11/03/2019 19:00 | 13.0523 |
| 11/03/2019 20:00 | 13.1845 |
| 11/03/2019 21:00 | 13.199 |
| 11/03/2019 22:00 | 13.1576 |
| 11/03/2019 23:00 | 13.0669 |
| 12/03/2019 00:00 | 13.0805 |
| 12/03/2019 01:00 | 13.1112 |
| 12/03/2019 02:00 | 13.1589 |
| 12/03/2019 03:00 | 13.1824 |
| 12/03/2019 04:00 | 13.1813 |
| 12/03/2019 05:00 | 13.1664 |
| 12/03/2019 06:00 | 13.1443 |
| 12/03/2019 07:00 | 13.114 |
| 12/03/2019 08:00 | 13.0586 |
| 12/03/2019 09:00 | 12.9542 |
| 12/03/2019 10:00 | 12.8365 |
| 12/03/2019 11:00 | 12.7176 |
| 12/03/2019 12:00 | 12.6041 |
| 12/03/2019 13:00 | 11.7072 |
| 12/03/2019 14:00 | 10.3444 |
| 12/03/2019 15:00 | 10.2515 |
| 12/03/2019 16:00 | 10.0987 |
| 12/03/2019 17:00 | 10.0303 |
| 12/03/2019 18:00 | 9.9835 |
| 12/03/2019 19:00 | 10.019 |
| 12/03/2019 20:00 | 10.0427 |
| 12/03/2019 21:00 | 10.149 |
| 12/03/2019 22:00 | 10.0851 |
| 12/03/2019 23:00 | 10.1042 |
| 13/03/2019 00:00 | 10.1389 |
| 13/03/2019 01:00 | 10.1731 |
| 13/03/2019 02:00 | 10.2145 |
| 13/03/2019 03:00 | 10.2504 |
| 13/03/2019 04:00 | 10.2896 |
| 13/03/2019 05:00 | 10.3273 |
| 13/03/2019 06:00 | 10.3636 |
| 13/03/2019 07:00 | 10.4044 |
| 13/03/2019 08:00 | 10.4398 |
| 13/03/2019 09:00 | 10.4696 |
| 13/03/2019 10:00 | 10.4985 |
| 13/03/2019 11:00 | 10.5321 |
| 13/03/2019 12:00 | 10.5614 |
| 13/03/2019 13:00 | 10.5802 |
| 13/03/2019 14:00 | 10.6336 |
| 13/03/2019 15:00 | 10.6548 |
| 13/03/2019 16:00 | 10.6758 |
| 13/03/2019 17:00 | 10.683 |
| 13/03/2019 18:00 | 10.6931 |
| 13/03/2019 19:00 | 10.6955 |
| 13/03/2019 20:00 | 10.6961 |
| 13/03/2019 21:00 | 10.6963 |
| 13/03/2019 22:00 | 10.6957 |
| 13/03/2019 23:00 | 10.6954 |
| 14/03/2019 00:00 | 10.6929 |
| 14/03/2019 01:00 | 10.6901 |
| 14/03/2019 02:00 | 10.6849 |
| 14/03/2019 03:00 | 10.6796 |
| 14/03/2019 04:00 | 10.6736 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 14/03/2019 05:00 | 10.6684 |
| 14/03/2019 06:00 | 10.6612 |
| 14/03/2019 07:00 | 10.654 |
| 14/03/2019 08:00 | 10.6453 |
| 14/03/2019 09:00 | 10.6352 |
| 14/03/2019 10:00 | 10.6269 |
| 14/03/2019 11:00 | 10.6248 |
| 14/03/2019 12:00 | 10.6248 |
| 14/03/2019 13:00 | 8.8547 |
| 14/03/2019 14:00 | 10.6342 |
| 14/03/2019 15:00 | 10.654 |
| 14/03/2019 16:00 | 10.6572 |
| 14/03/2019 17:00 | 10.6724 |
| 14/03/2019 18:00 | 10.6888 |
| 14/03/2019 19:00 | 10.706 |
| 14/03/2019 20:00 | 10.7243 |
| 14/03/2019 21:00 | 10.758 |
| 14/03/2019 22:00 | 10.8041 |
| 14/03/2019 23:00 | 10.8355 |
| 15/03/2019 00:00 | 10.8605 |
| 15/03/2019 01:00 | 10.8747 |
| 15/03/2019 02:00 | 10.881 |
| 15/03/2019 03:00 | 10.8811 |
| 15/03/2019 04:00 | 10.8819 |
| 15/03/2019 05:00 | 10.8806 |
| 15/03/2019 06:00 | 10.8803 |
| 15/03/2019 07:00 | 10.8794 |
| 15/03/2019 08:00 | 10.8784 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 40 CPG Nuevo Pemex | 12.5985 |
| 09/03/2019 | CRE 40 CPG Nuevo Pemex | 13.1199 |
| 10/03/2019 | CRE 40 CPG Nuevo Pemex | 13.1247 |
| 11/03/2019 | CRE 40 CPG Nuevo Pemex | 13.2224 |
| 12/03/2019 | CRE 40 CPG Nuevo Pemex | 13.1623 |
| 13/03/2019 | CRE 40 CPG Nuevo Pemex | 12.6957 |
| 14/03/2019 | CRE 40 CPG Nuevo Pemex | 12.7537 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 05:00 | 11.5625 |
| 08/03/2019 06:00 | 11.1324 |
| 08/03/2019 07:00 | 10.9857 |
| 08/03/2019 08:00 | 13.1098 |
| 08/03/2019 09:00 | 12.7491 |
| 08/03/2019 10:00 | 12.7694 |
| 08/03/2019 11:00 | 12.8005 |
| 08/03/2019 12:00 | 12.6275 |
| 08/03/2019 13:00 | 12.6673 |
| 08/03/2019 14:00 | 13.0765 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 08/03/2019 15:00 | 12.9698 |
| 08/03/2019 16:00 | 12.8859 |
| 08/03/2019 17:00 | 12.7694 |
| 08/03/2019 18:00 | 12.8005 |
| 08/03/2019 19:00 | 12.6275 |
| 08/03/2019 20:00 | 12.6673 |
| 08/03/2019 21:00 | 12.4538 |
| 08/03/2019 22:00 | 12.4115 |
| 08/03/2019 23:00 | 12.6532 |
| 09/03/2019 00:00 | 12.7222 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 09/03/2019 01:00 | 13.0244 |
| 09/03/2019 02:00 | 12.9463 |
| 09/03/2019 03:00 | 12.9684 |
| 09/03/2019 04:00 | 12.9844 |
| 09/03/2019 05:00 | 13.0673 |
| 09/03/2019 06:00 | 13.0257 |
| 09/03/2019 07:00 | 13.2816 |
| 09/03/2019 08:00 | 13.3708 |
| 09/03/2019 09:00 | 13.1089 |
| 09/03/2019 10:00 | 12.8822 |
| 09/03/2019 11:00 | 12.8112 |
| 09/03/2019 12:00 | 12.9954 |
| 09/03/2019 13:00 | 12.9007 |
| 09/03/2019 14:00 | 13.1143 |
| 09/03/2019 15:00 | 13.2305 |
| 09/03/2019 16:00 | 13.2377 |
| 09/03/2019 17:00 | 13.2244 |
| 09/03/2019 18:00 | 13.2098 |
| 09/03/2019 19:00 | 13.3076 |
| 09/03/2019 20:00 | 12.9857 |
| 09/03/2019 21:00 | 13.2034 |
| 09/03/2019 22:00 | 12.9856 |
| 09/03/2019 23:00 | 13.3634 |
| 10/03/2019 00:00 | 13.3281 |
| 10/03/2019 01:00 | 13.0021 |
| 10/03/2019 02:00 | 13.2511 |
| 10/03/2019 03:00 | 13.0732 |
| 10/03/2019 04:00 | 12.9163 |
| 10/03/2019 05:00 | 13.1065 |
| 10/03/2019 06:00 | 13.023 |
| 10/03/2019 07:00 | 13.1606 |
| 10/03/2019 08:00 | 12.8419 |
| 10/03/2019 09:00 | 12.9525 |
| 10/03/2019 10:00 | 13.0102 |
| 10/03/2019 11:00 | 12.8708 |
| 10/03/2019 12:00 | 12.9851 |
| 10/03/2019 13:00 | 12.9785 |
| 10/03/2019 14:00 | 12.9821 |
| 10/03/2019 15:00 | 13.3615 |
| 10/03/2019 16:00 | 13.4964 |
| 10/03/2019 17:00 | 13.2724 |
| 10/03/2019 18:00 | 13.1654 |
| 10/03/2019 19:00 | 13.1764 |
| 10/03/2019 20:00 | 13.4735 |
| 10/03/2019 21:00 | 13.0558 |
| 10/03/2019 22:00 | 12.8031 |
| 10/03/2019 23:00 | 13.2617 |
| 11/03/2019 00:00 | 13.3177 |
| 11/03/2019 01:00 | 13.2434 |
| 11/03/2019 02:00 | 13.2622 |
| 11/03/2019 03:00 | 13.094 |
| 11/03/2019 04:00 | 13.0976 |
| 11/03/2019 05:00 | 13.223 |
| 11/03/2019 06:00 | 13.1201 |
| 11/03/2019 07:00 | 13.1064 |
| 11/03/2019 08:00 | 13.2296 |
| 11/03/2019 09:00 | 13.3712 |
| 11/03/2019 10:00 | 12.9993 |
| 11/03/2019 11:00 | 12.9117 |
| 11/03/2019 12:00 | 12.4007 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 11/03/2019 13:00 | 13.3777 |
| 11/03/2019 14:00 | 13.4984 |
| 11/03/2019 15:00 | 13.2225 |
| 11/03/2019 16:00 | 13.4259 |
| 11/03/2019 17:00 | 13.6737 |
| 11/03/2019 18:00 | 13.3441 |
| 11/03/2019 19:00 | 13.0395 |
| 11/03/2019 20:00 | 13.2684 |
| 11/03/2019 21:00 | 13.1956 |
| 11/03/2019 22:00 | 13.0537 |
| 11/03/2019 23:00 | 13.3542 |
| 12/03/2019 00:00 | 13.2914 |
| 12/03/2019 01:00 | 13.4457 |
| 12/03/2019 02:00 | 13.2714 |
| 12/03/2019 03:00 | 13.3116 |
| 12/03/2019 04:00 | 13.2019 |
| 12/03/2019 05:00 | 13.383 |
| 12/03/2019 06:00 | 13.4594 |
| 12/03/2019 07:00 | 13.5021 |
| 12/03/2019 08:00 | 13.4242 |
| 12/03/2019 09:00 | 13.5663 |
| 12/03/2019 10:00 | 13.5289 |
| 12/03/2019 11:00 | 12.9004 |
| 12/03/2019 12:00 | 10.7492 |
| 12/03/2019 13:00 | 10.405 |
| 12/03/2019 14:00 | 11.6559 |
| 12/03/2019 15:00 | 13.11 |
| 12/03/2019 16:00 | 12.8497 |
| 12/03/2019 17:00 | 13.9171 |
| 12/03/2019 18:00 | 14.3344 |
| 12/03/2019 19:00 | 14.2385 |
| 12/03/2019 20:00 | 14.023 |
| 12/03/2019 21:00 | 13.9388 |
| 12/03/2019 22:00 | 13.8187 |
| 12/03/2019 23:00 | 13.6153 |
| 13/03/2019 00:00 | 13.0188 |
| 13/03/2019 01:00 | 13.1375 |
| 13/03/2019 02:00 | 13.131 |
| 13/03/2019 03:00 | 12.9832 |
| 13/03/2019 04:00 | 13.2046 |
| 13/03/2019 05:00 | 13.2652 |
| 13/03/2019 06:00 | 13.2576 |
| 13/03/2019 07:00 | 13.0241 |
| 13/03/2019 08:00 | 12.9469 |
| 13/03/2019 09:00 | 12.693 |
| 13/03/2019 10:00 | 12.8763 |
| 13/03/2019 11:00 | 12.8215 |
| 13/03/2019 12:00 | 12.7509 |
| 13/03/2019 13:00 | 12.2021 |
| 13/03/2019 14:00 | 13.0874 |
| 13/03/2019 15:00 | 13.175 |
| 13/03/2019 16:00 | 12.9274 |
| 13/03/2019 17:00 | 13.0613 |
| 13/03/2019 18:00 | 12.6765 |
| 13/03/2019 19:00 | 12.6433 |
| 13/03/2019 20:00 | 12.4574 |
| 13/03/2019 21:00 | 12.379 |
| 13/03/2019 22:00 | 12.2212 |
| 13/03/2019 23:00 | 11.9461 |
| 14/03/2019 00:00 | 11.9451 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 14/03/2019 01:00 | 12.4344 |
| 14/03/2019 02:00 | 12.674 |
| 14/03/2019 03:00 | 12.6799 |
| 14/03/2019 04:00 | 12.5505 |
| 14/03/2019 05:00 | 12.4467 |
| 14/03/2019 06:00 | 12.3275 |
| 14/03/2019 07:00 | 11.7652 |
| 14/03/2019 08:00 | 11.9618 |
| 14/03/2019 09:00 | 12.1269 |
| 14/03/2019 10:00 | 12.1413 |
| 14/03/2019 11:00 | 11.7385 |
| 14/03/2019 12:00 | 12.4176 |
| 14/03/2019 13:00 | 12.6013 |
| 14/03/2019 14:00 | 12.3283 |
| 14/03/2019 15:00 | 13.0259 |
| 14/03/2019 16:00 | 13.1 |
| 14/03/2019 17:00 | 13.0108 |
| 14/03/2019 18:00 | 13.1218 |
| 14/03/2019 19:00 | 13.1322 |
| 14/03/2019 20:00 | 13.2711 |
| 14/03/2019 21:00 | 13.3077 |
| 14/03/2019 22:00 | 13.2371 |
| 14/03/2019 23:00 | 13.417 |
| 15/03/2019 00:00 | 13.2943 |
| 15/03/2019 01:00 | 13.1704 |
| 15/03/2019 02:00 | 12.9305 |
| 15/03/2019 03:00 | 13.0883 |
| 15/03/2019 04:00 | 13.1254 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 35 Troncal 48" | 12.6341 |
| 09/03/2019 | CRE 35 Troncal 48" | 13.1326 |
| 10/03/2019 | CRE 35 Troncal 48" | 13.2565 |
| 11/03/2019 | CRE 35 Troncal 48" | 13.2355 |
| 12/03/2019 | CRE 35 Troncal 48" | 13.141 |
| 13/03/2019 | CRE 35 Troncal 48" | 12.6678 |
| 14/03/2019 | CRE 35 Troncal 48" | 12.7329 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 09:00 | 12.748 |
| 08/03/2019 10:00 | 12.791 |
| 08/03/2019 11:00 | 12.8191 |
| 08/03/2019 12:00 | 12.649 |
| 08/03/2019 13:00 | 12.7221 |
| 08/03/2019 14:00 | 13.0681 |
| 08/03/2019 15:00 | 12.9531 |
| 08/03/2019 16:00 | 12.9111 |
| 08/03/2019 17:00 | 12.8019 |
| 08/03/2019 18:00 | 12.848 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 19:00 | 12.6869 |
| 08/03/2019 20:00 | 12.729 |
| 08/03/2019 21:00 | 12.5171 |
| 08/03/2019 22:00 | 12.473 |
| 08/03/2019 23:00 | 12.7149 |
| 09/03/2019 00:00 | 12.7841 |
| 09/03/2019 01:00 | 13.081 |
| 09/03/2019 02:00 | 13.002 |
| 09/03/2019 03:00 | 13.0231 |
| 09/03/2019 04:00 | 13.0421 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 05:00 | 11.581 |
| 09/03/2019 06:00 | 11.157 |
| 09/03/2019 07:00 | 11.0119 |
| 09/03/2019 08:00 | 13.1031 |
| 09/03/2019 09:00 | 13.1173 |
| 09/03/2019 10:00 | 12.9011 |
| 09/03/2019 11:00 | 12.3018 |
| 09/03/2019 12:00 | 13.0079 |
| 09/03/2019 13:00 | 12.9191 |
| 09/03/2019 14:00 | 13.125 |
| 09/03/2019 15:00 | 13.222 |
| 09/03/2019 16:00 | 13.3237 |
| 09/03/2019 17:00 | 13.2721 |
| 09/03/2019 18:00 | 13.2571 |
| 09/03/2019 19:00 | 13.3431 |
| 09/03/2019 20:00 | 13.034 |
| 09/03/2019 21:00 | 13.2553 |
| 09/03/2019 22:00 | 13.0431 |
| 09/03/2019 23:00 | 13.4161 |
| 10/03/2019 00:00 | 13.3801 |
| 10/03/2019 01:00 | 13.0601 |
| 10/03/2019 02:00 | 13.3031 |
| 10/03/2019 03:00 | 13.1281 |
| 10/03/2019 04:00 | 12.9741 |
| 10/03/2019 05:00 | 13.0837 |
| 10/03/2019 06:00 | 13.0423 |
| 10/03/2019 07:00 | 13.2933 |
| 10/03/2019 08:00 | 13.3791 |
| 10/03/2019 09:00 | 12.9624 |
| 10/03/2019 10:00 | 13.0224 |
| 10/03/2019 11:00 | 12.8801 |
| 10/03/2019 12:00 | 12.9943 |
| 10/03/2019 13:00 | 13.8902 |
| 10/03/2019 14:00 | 13.3989 |
| 10/03/2019 15:00 | 13.3958 |
| 10/03/2019 16:00 | 13.5281 |
| 10/03/2019 17:00 | 13.3211 |
| 10/03/2019 18:00 | 13.5979 |
| 10/03/2019 19:00 | 13.2081 |
| 10/03/2019 20:00 | 13.4609 |
| 10/03/2019 21:00 | 13.1011 |
| 10/03/2019 22:00 | 12.851 |
| 10/03/2019 23:00 | 13.303 |
| 11/03/2019 00:00 | 13.3551 |
| 11/03/2019 01:00 | 13.2831 |
| 11/03/2019 02:00 | 13.2973 |
| 11/03/2019 03:00 | 13.1321 |
| 11/03/2019 04:00 | 13.1341 |
| 11/03/2019 05:00 | 13.114 |
| 11/03/2019 06:00 | 13.0343 |
| 11/03/2019 07:00 | 13.1711 |
| 11/03/2019 08:00 | 13.7189 |
| 11/03/2019 09:00 | 13.4131 |
| 11/03/2019 10:00 | 13.016 |
| 11/03/2019 11:00 | 12.9183 |
| 11/03/2019 12:00 | 12.415 |
| 11/03/2019 13:00 | 13.406 |
| 11/03/2019 14:00 | 13.5173 |
| 11/03/2019 15:00 | 13.2303 |
| 11/03/2019 16:00 | 13.4311 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 17:00 | 13.675 |
| 11/03/2019 18:00 | 13.3481 |
| 11/03/2019 19:00 | 13.0429 |
| 11/03/2019 20:00 | 13.2673 |
| 11/03/2019 21:00 | 13.198 |
| 11/03/2019 22:00 | 13.0571 |
| 11/03/2019 23:00 | 13.3511 |
| 12/03/2019 00:00 | 13.291 |
| 12/03/2019 01:00 | 13.445 |
| 12/03/2019 02:00 | 13.2751 |
| 12/03/2019 03:00 | 13.3159 |
| 12/03/2019 04:00 | 13.2101 |
| 12/03/2019 05:00 | 13.2553 |
| 12/03/2019 06:00 | 13.1569 |
| 12/03/2019 07:00 | 13.1471 |
| 12/03/2019 08:00 | 13.269 |
| 12/03/2019 09:00 | 13.575 |
| 12/03/2019 10:00 | 13.5413 |
| 12/03/2019 11:00 | 12.9241 |
| 12/03/2019 12:00 | 10.7911 |
| 12/03/2019 13:00 | 10.47 |
| 12/03/2019 14:00 | 11.641 |
| 12/03/2019 15:00 | 13.0783 |
| 12/03/2019 16:00 | 12.825 |
| 12/03/2019 17:00 | 13.8719 |
| 12/03/2019 18:00 | 14.2853 |
| 12/03/2019 19:00 | 14.3544 |
| 12/03/2019 20:00 | 13.9813 |
| 12/03/2019 21:00 | 13.9003 |
| 12/03/2019 22:00 | 13.782 |
| 12/03/2019 23:00 | 13.5811 |
| 13/03/2019 00:00 | 12.9911 |
| 13/03/2019 01:00 | 13.1113 |
| 13/03/2019 02:00 | 13.1 |
| 13/03/2019 03:00 | 12.9551 |
| 13/03/2019 04:00 | 13.174 |
| 13/03/2019 05:00 | 13.3891 |
| 13/03/2019 06:00 | 13.467 |
| 13/03/2019 07:00 | 13.5101 |
| 13/03/2019 08:00 | 13.0843 |
| 13/03/2019 09:00 | 12.6721 |
| 13/03/2019 10:00 | 12.8503 |
| 13/03/2019 11:00 | 12.8001 |
| 13/03/2019 12:00 | 12.7253 |
| 13/03/2019 13:00 | 12.1772 |
| 13/03/2019 14:00 | 13.05 |
| 13/03/2019 15:00 | 13.137 |
| 13/03/2019 16:00 | 12.8931 |
| 13/03/2019 17:00 | 13.0253 |
| 13/03/2019 18:00 | 12.6461 |
| 13/03/2019 19:00 | 12.6139 |
| 13/03/2019 20:00 | 12.431 |
| 13/03/2019 21:00 | 12.3532 |
| 13/03/2019 22:00 | 12.1981 |
| 13/03/2019 23:00 | 11.9271 |
| 14/03/2019 00:00 | 11.9261 |
| 14/03/2019 01:00 | 12.408 |
| 14/03/2019 02:00 | 12.6441 |
| 14/03/2019 03:00 | 12.6493 |
| 14/03/2019 04:00 | 12.5221 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|-----------------------------------|
| 14/03/2019 05:00 | 13.2341 |
| 14/03/2019 06:00 | 13.2251 |
| 14/03/2019 07:00 | 12.9971 |
| 14/03/2019 08:00 | 12.9201 |
| 14/03/2019 09:00 | 12.1042 |
| 14/03/2019 10:00 | 12.1181 |
| 14/03/2019 11:00 | 11.7221 |
| 14/03/2019 12:00 | 12.3941 |
| 14/03/2019 13:00 | 12.8021 |
| 14/03/2019 14:00 | 12.307 |
| 14/03/2019 15:00 | 12.994 |
| 14/03/2019 16:00 | 13.063 |
| 14/03/2019 17:00 | 12.9751 |
| 14/03/2019 18:00 | 13.085 |
| 14/03/2019 19:00 | 13.0949 |
| 14/03/2019 20:00 | 13.232 |
| 14/03/2019 21:00 | 13.269 |
| 14/03/2019 22:00 | 13.2 |
| 14/03/2019 23:00 | 13.378 |
| 15/03/2019 00:00 | 13.2571 |
| 15/03/2019 01:00 | 13.1351 |
| 15/03/2019 02:00 | 12.8993 |
| 15/03/2019 03:00 | 13.0549 |
| 15/03/2019 04:00 | 13.091 |
| 15/03/2019 05:00 | 12.4201 |
| 15/03/2019 06:00 | 12.3021 |
| 15/03/2019 07:00 | 11.7482 |
| 15/03/2019 08:00 | 11.9421 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 37 CPG Ciudad Pemex | 12.2502 |
| 09/03/2019 | CRE 37 CPG Ciudad Pemex | 11.2694 |
| 10/03/2019 | CRE 37 CPG Ciudad Pemex | 11.6327 |
| 11/03/2019 | CRE 37 CPG Ciudad Pemex | 13.108 |
| 12/03/2019 | CRE 37 CPG Ciudad Pemex | 11.1532 |
| 13/03/2019 | CRE 37 CPG Ciudad Pemex | 10.6008 |
| 14/03/2019 | CRE 37 CPG Ciudad Pemex | 11.3405 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 05:00 | 12.4693 |
| 08/03/2019 06:00 | 12.4617 |
| 08/03/2019 07:00 | 12.4531 |
| 08/03/2019 08:00 | 12.4235 |
| 08/03/2019 09:00 | 12.4254 |
| 08/03/2019 10:00 | 11.9471 |
| 08/03/2019 11:00 | 10.8108 |
| 08/03/2019 12:00 | 10.1389 |
| 08/03/2019 13:00 | 12.215 |
| 08/03/2019 14:00 | 11.9471 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 15:00 | 10.8108 |
| 08/03/2019 16:00 | 12.6945 |
| 08/03/2019 17:00 | 12.6688 |
| 08/03/2019 18:00 | 12.675 |
| 08/03/2019 19:00 | 12.6697 |
| 08/03/2019 20:00 | 12.6437 |
| 08/03/2019 21:00 | 12.6271 |
| 08/03/2019 22:00 | 12.6192 |
| 08/03/2019 23:00 | 12.6135 |
| 09/03/2019 00:00 | 12.5938 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 01:00 | 12.5658 |
| 09/03/2019 02:00 | 12.5403 |
| 09/03/2019 03:00 | 12.512 |
| 09/03/2019 04:00 | 12.4796 |
| 09/03/2019 05:00 | 9.8896 |
| 09/03/2019 06:00 | 9.8912 |
| 09/03/2019 07:00 | 9.8951 |
| 09/03/2019 08:00 | 9.9038 |
| 09/03/2019 09:00 | 9.9163 |
| 09/03/2019 10:00 | 9.9355 |
| 09/03/2019 11:00 | 9.9491 |
| 09/03/2019 12:00 | 9.9596 |
| 09/03/2019 13:00 | 9.9708 |
| 09/03/2019 14:00 | 9.9805 |
| 09/03/2019 15:00 | 9.9968 |
| 09/03/2019 16:00 | 10.0102 |
| 09/03/2019 17:00 | 12.3505 |
| 09/03/2019 18:00 | 12.351 |
| 09/03/2019 19:00 | 12.3613 |
| 09/03/2019 20:00 | 12.3929 |
| 09/03/2019 21:00 | 12.4754 |
| 09/03/2019 22:00 | 12.6225 |
| 09/03/2019 23:00 | 12.6738 |
| 10/03/2019 00:00 | 12.7389 |
| 10/03/2019 01:00 | 12.7743 |
| 10/03/2019 02:00 | 12.7839 |
| 10/03/2019 03:00 | 12.8207 |
| 10/03/2019 04:00 | 12.8226 |
| 10/03/2019 05:00 | 9.8896 |
| 10/03/2019 06:00 | 9.8912 |
| 10/03/2019 07:00 | 9.8951 |
| 10/03/2019 08:00 | 9.9038 |
| 10/03/2019 09:00 | 9.9163 |
| 10/03/2019 10:00 | 9.9355 |
| 10/03/2019 11:00 | 9.9491 |
| 10/03/2019 12:00 | 9.9596 |
| 10/03/2019 13:00 | 12.7958 |
| 10/03/2019 14:00 | 12.7915 |
| 10/03/2019 15:00 | 12.8122 |
| 10/03/2019 16:00 | 12.8238 |
| 10/03/2019 17:00 | 12.8616 |
| 10/03/2019 18:00 | 12.9106 |
| 10/03/2019 19:00 | 11.696 |
| 10/03/2019 20:00 | 10.6024 |
| 10/03/2019 21:00 | 12.6271 |
| 10/03/2019 22:00 | 12.6192 |
| 10/03/2019 23:00 | 12.6135 |
| 11/03/2019 00:00 | 12.5938 |
| 11/03/2019 01:00 | 12.5658 |
| 11/03/2019 02:00 | 12.5403 |
| 11/03/2019 03:00 | 12.512 |
| 11/03/2019 04:00 | 12.4796 |
| 11/03/2019 05:00 | 12.3792 |
| 11/03/2019 06:00 | 12.7056 |
| 11/03/2019 07:00 | 12.9419 |
| 11/03/2019 08:00 | 13.1735 |
| 11/03/2019 09:00 | 13.5614 |
| 11/03/2019 10:00 | 12.3792 |
| 11/03/2019 11:00 | 12.7056 |
| 11/03/2019 12:00 | 12.9419 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 13:00 | 13.1735 |
| 11/03/2019 14:00 | 13.5614 |
| 11/03/2019 15:00 | 13.2088 |
| 11/03/2019 16:00 | 13.368 |
| 11/03/2019 17:00 | 13.5804 |
| 11/03/2019 18:00 | 13.5276 |
| 11/03/2019 19:00 | 13.0535 |
| 11/03/2019 20:00 | 13.1845 |
| 11/03/2019 21:00 | 13.2 |
| 11/03/2019 22:00 | 13.1586 |
| 11/03/2019 23:00 | 13.0669 |
| 12/03/2019 00:00 | 13.0815 |
| 12/03/2019 01:00 | 13.1118 |
| 12/03/2019 02:00 | 13.1596 |
| 12/03/2019 03:00 | 13.1838 |
| 12/03/2019 04:00 | 13.1834 |
| 12/03/2019 05:00 | 13.1675 |
| 12/03/2019 06:00 | 13.1444 |
| 12/03/2019 07:00 | 13.114 |
| 12/03/2019 08:00 | 13.0586 |
| 12/03/2019 09:00 | 12.9542 |
| 12/03/2019 10:00 | 12.8365 |
| 12/03/2019 11:00 | 12.7188 |
| 12/03/2019 12:00 | 12.61 |
| 12/03/2019 13:00 | 11.7918 |
| 12/03/2019 14:00 | 10.409 |
| 12/03/2019 15:00 | 10.2787 |
| 12/03/2019 16:00 | 10.1068 |
| 12/03/2019 17:00 | 10.0325 |
| 12/03/2019 18:00 | 9.9838 |
| 12/03/2019 19:00 | 10.019 |
| 12/03/2019 20:00 | 10.0427 |
| 12/03/2019 21:00 | 10.149 |
| 12/03/2019 22:00 | 10.0853 |
| 12/03/2019 23:00 | 10.1044 |
| 13/03/2019 00:00 | 10.1402 |
| 13/03/2019 01:00 | 10.174 |
| 13/03/2019 02:00 | 10.2145 |
| 13/03/2019 03:00 | 10.2504 |
| 13/03/2019 04:00 | 10.2896 |
| 13/03/2019 05:00 | 10.3273 |
| 13/03/2019 06:00 | 10.3636 |
| 13/03/2019 07:00 | 10.4048 |
| 13/03/2019 08:00 | 10.44 |
| 13/03/2019 09:00 | 10.4701 |
| 13/03/2019 10:00 | 10.4985 |
| 13/03/2019 11:00 | 10.5321 |
| 13/03/2019 12:00 | 10.5614 |
| 13/03/2019 13:00 | 10.5802 |
| 13/03/2019 14:00 | 10.6336 |
| 13/03/2019 15:00 | 10.6548 |
| 13/03/2019 16:00 | 10.6758 |
| 13/03/2019 17:00 | 10.683 |
| 13/03/2019 18:00 | 10.6931 |
| 13/03/2019 19:00 | 10.6956 |
| 13/03/2019 20:00 | 10.6962 |
| 13/03/2019 21:00 | 10.6963 |
| 13/03/2019 22:00 | 10.6957 |
| 13/03/2019 23:00 | 10.6954 |
| 14/03/2019 00:00 | 10.6929 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|---------------------------------------|
| 14/03/2019 01:00 | 10.6901 |
| 14/03/2019 02:00 | 10.6849 |
| 14/03/2019 03:00 | 10.6796 |
| 14/03/2019 04:00 | 10.6736 |
| 14/03/2019 05:00 | 10.6684 |
| 14/03/2019 06:00 | 10.6612 |
| 14/03/2019 07:00 | 10.654 |
| 14/03/2019 08:00 | 10.6453 |
| 14/03/2019 09:00 | 10.6352 |
| 14/03/2019 10:00 | 10.6269 |
| 14/03/2019 11:00 | 10.6248 |
| 14/03/2019 12:00 | 10.6248 |
| 14/03/2019 13:00 | 25.5165 |
| 14/03/2019 14:00 | 10.6357 |
| 14/03/2019 15:00 | 10.654 |
| 14/03/2019 16:00 | 10.6572 |
| 14/03/2019 17:00 | 10.6724 |
| 14/03/2019 18:00 | 10.6888 |
| 14/03/2019 19:00 | 10.706 |
| 14/03/2019 20:00 | 10.7243 |
| 14/03/2019 21:00 | 10.758 |
| 14/03/2019 22:00 | 10.8041 |
| 14/03/2019 23:00 | 10.8355 |
| 15/03/2019 00:00 | 10.8605 |
| 15/03/2019 01:00 | 10.8747 |
| 15/03/2019 02:00 | 10.881 |
| 15/03/2019 03:00 | 10.8811 |
| 15/03/2019 04:00 | 10.8819 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 38 CPG Cactus | 12.2502 |
| 09/03/2019 | CRE 38 CPG Cactus | 11.2694 |
| 10/03/2019 | CRE 38 CPG Cactus | 11.6327 |
| 11/03/2019 | CRE 38 CPG Cactus | 13.108 |
| 12/03/2019 | CRE 38 CPG Cactus | 11.1532 |
| 13/03/2019 | CRE 38 CPG Cactus | 10.6008 |
| 14/03/2019 | CRE 38 CPG Cactus | 11.3405 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 05:00 | 12.4693 |
| 08/03/2019 06:00 | 12.4617 |
| 08/03/2019 07:00 | 12.4531 |
| 08/03/2019 08:00 | 12.4235 |
| 08/03/2019 09:00 | 12.4254 |
| 08/03/2019 10:00 | 11.9471 |
| 08/03/2019 11:00 | 10.8108 |
| 08/03/2019 12:00 | 10.1389 |
| 08/03/2019 13:00 | 12.215 |
| 08/03/2019 14:00 | 11.9471 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 15:00 | 10.8108 |
| 08/03/2019 16:00 | 12.6945 |
| 08/03/2019 17:00 | 12.6688 |
| 08/03/2019 18:00 | 12.675 |
| 08/03/2019 19:00 | 12.6697 |
| 08/03/2019 20:00 | 12.6437 |
| 08/03/2019 21:00 | 12.6271 |
| 08/03/2019 22:00 | 12.6192 |
| 08/03/2019 23:00 | 12.6135 |
| 09/03/2019 00:00 | 12.5938 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 01:00 | 12.5658 |
| 09/03/2019 02:00 | 12.5403 |
| 09/03/2019 03:00 | 12.512 |
| 09/03/2019 04:00 | 12.4796 |
| 09/03/2019 05:00 | 9.8896 |
| 09/03/2019 06:00 | 9.8912 |
| 09/03/2019 07:00 | 9.8951 |
| 09/03/2019 08:00 | 9.9038 |
| 09/03/2019 09:00 | 9.9163 |
| 09/03/2019 10:00 | 9.9355 |
| 09/03/2019 11:00 | 9.9491 |
| 09/03/2019 12:00 | 9.9596 |
| 09/03/2019 13:00 | 9.9708 |
| 09/03/2019 14:00 | 9.9805 |
| 09/03/2019 15:00 | 9.9968 |
| 09/03/2019 16:00 | 10.0102 |
| 09/03/2019 17:00 | 12.3505 |
| 09/03/2019 18:00 | 12.351 |
| 09/03/2019 19:00 | 12.3613 |
| 09/03/2019 20:00 | 12.3929 |
| 09/03/2019 21:00 | 12.4754 |
| 09/03/2019 22:00 | 12.6225 |
| 09/03/2019 23:00 | 12.6738 |
| 10/03/2019 00:00 | 12.7389 |
| 10/03/2019 01:00 | 12.7743 |
| 10/03/2019 02:00 | 12.7839 |
| 10/03/2019 03:00 | 12.8207 |
| 10/03/2019 04:00 | 12.8226 |
| 10/03/2019 05:00 | 9.8896 |
| 10/03/2019 06:00 | 9.8912 |
| 10/03/2019 07:00 | 9.8951 |
| 10/03/2019 08:00 | 9.9038 |
| 10/03/2019 09:00 | 9.9163 |
| 10/03/2019 10:00 | 9.9355 |
| 10/03/2019 11:00 | 9.9491 |
| 10/03/2019 12:00 | 9.9596 |
| 10/03/2019 13:00 | 12.7958 |
| 10/03/2019 14:00 | 12.7915 |
| 10/03/2019 15:00 | 12.8122 |
| 10/03/2019 16:00 | 12.8238 |
| 10/03/2019 17:00 | 12.8616 |
| 10/03/2019 18:00 | 12.9106 |
| 10/03/2019 19:00 | 11.696 |
| 10/03/2019 20:00 | 10.6024 |
| 10/03/2019 21:00 | 12.6271 |
| 10/03/2019 22:00 | 12.6192 |
| 10/03/2019 23:00 | 12.6135 |
| 11/03/2019 00:00 | 12.5938 |
| 11/03/2019 01:00 | 12.5658 |
| 11/03/2019 02:00 | 12.5403 |
| 11/03/2019 03:00 | 12.512 |
| 11/03/2019 04:00 | 12.4796 |
| 11/03/2019 05:00 | 12.3792 |
| 11/03/2019 06:00 | 12.7056 |
| 11/03/2019 07:00 | 12.9419 |
| 11/03/2019 08:00 | 13.1735 |
| 11/03/2019 09:00 | 13.5614 |
| 11/03/2019 10:00 | 12.3792 |
| 11/03/2019 11:00 | 12.7056 |
| 11/03/2019 12:00 | 12.9419 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 13:00 | 13.1735 |
| 11/03/2019 14:00 | 13.5614 |
| 11/03/2019 15:00 | 13.2088 |
| 11/03/2019 16:00 | 13.368 |
| 11/03/2019 17:00 | 13.5804 |
| 11/03/2019 18:00 | 13.5276 |
| 11/03/2019 19:00 | 13.0535 |
| 11/03/2019 20:00 | 13.1845 |
| 11/03/2019 21:00 | 13.2 |
| 11/03/2019 22:00 | 13.1586 |
| 11/03/2019 23:00 | 13.0669 |
| 12/03/2019 00:00 | 13.0815 |
| 12/03/2019 01:00 | 13.1118 |
| 12/03/2019 02:00 | 13.1596 |
| 12/03/2019 03:00 | 13.1838 |
| 12/03/2019 04:00 | 13.1834 |
| 12/03/2019 05:00 | 13.1675 |
| 12/03/2019 06:00 | 13.1444 |
| 12/03/2019 07:00 | 13.114 |
| 12/03/2019 08:00 | 13.0586 |
| 12/03/2019 09:00 | 12.9542 |
| 12/03/2019 10:00 | 12.8365 |
| 12/03/2019 11:00 | 12.7188 |
| 12/03/2019 12:00 | 12.61 |
| 12/03/2019 13:00 | 11.7918 |
| 12/03/2019 14:00 | 10.409 |
| 12/03/2019 15:00 | 10.2787 |
| 12/03/2019 16:00 | 10.1068 |
| 12/03/2019 17:00 | 10.0325 |
| 12/03/2019 18:00 | 9.9838 |
| 12/03/2019 19:00 | 10.019 |
| 12/03/2019 20:00 | 10.0427 |
| 12/03/2019 21:00 | 10.149 |
| 12/03/2019 22:00 | 10.0853 |
| 12/03/2019 23:00 | 10.1044 |
| 13/03/2019 00:00 | 10.1402 |
| 13/03/2019 01:00 | 10.174 |
| 13/03/2019 02:00 | 10.2145 |
| 13/03/2019 03:00 | 10.2504 |
| 13/03/2019 04:00 | 10.2896 |
| 13/03/2019 05:00 | 10.3273 |
| 13/03/2019 06:00 | 10.3636 |
| 13/03/2019 07:00 | 10.4048 |
| 13/03/2019 08:00 | 10.44 |
| 13/03/2019 09:00 | 10.4701 |
| 13/03/2019 10:00 | 10.4985 |
| 13/03/2019 11:00 | 10.5321 |
| 13/03/2019 12:00 | 10.5614 |
| 13/03/2019 13:00 | 10.5802 |
| 13/03/2019 14:00 | 10.6336 |
| 13/03/2019 15:00 | 10.6548 |
| 13/03/2019 16:00 | 10.6758 |
| 13/03/2019 17:00 | 10.683 |
| 13/03/2019 18:00 | 10.6931 |
| 13/03/2019 19:00 | 10.6956 |
| 13/03/2019 20:00 | 10.6962 |
| 13/03/2019 21:00 | 10.6963 |
| 13/03/2019 22:00 | 10.6957 |
| 13/03/2019 23:00 | 10.6954 |
| 14/03/2019 00:00 | 10.6929 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|-----------------------------------|
| 14/03/2019 01:00 | 10.6901 |
| 14/03/2019 02:00 | 10.6849 |
| 14/03/2019 03:00 | 10.6796 |
| 14/03/2019 04:00 | 10.6736 |
| 14/03/2019 05:00 | 10.6684 |
| 14/03/2019 06:00 | 10.6612 |
| 14/03/2019 07:00 | 10.654 |
| 14/03/2019 08:00 | 10.6453 |
| 14/03/2019 09:00 | 10.6352 |
| 14/03/2019 10:00 | 10.6269 |
| 14/03/2019 11:00 | 10.6248 |
| 14/03/2019 12:00 | 10.6248 |
| 14/03/2019 13:00 | 25.5165 |
| 14/03/2019 14:00 | 10.6357 |
| 14/03/2019 15:00 | 10.654 |
| 14/03/2019 16:00 | 10.6572 |
| 14/03/2019 17:00 | 10.6724 |
| 14/03/2019 18:00 | 10.6888 |
| 14/03/2019 19:00 | 10.706 |
| 14/03/2019 20:00 | 10.7243 |
| 14/03/2019 21:00 | 10.758 |
| 14/03/2019 22:00 | 10.8041 |
| 14/03/2019 23:00 | 10.8355 |
| 15/03/2019 00:00 | 10.8605 |
| 15/03/2019 01:00 | 10.8747 |
| 15/03/2019 02:00 | 10.881 |
| 15/03/2019 03:00 | 10.8811 |
| 15/03/2019 04:00 | 10.8819 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 39 KM-100 | 11.8241 |
| 09/03/2019 | CRE 39 KM-100 | 11.2694 |
| 10/03/2019 | CRE 39 KM-100 | 12.1169 |
| 11/03/2019 | CRE 39 KM-100 | 13.1615 |
| 12/03/2019 | CRE 39 KM-100 | 10.697 |
| 13/03/2019 | CRE 39 KM-100 | 10.6463 |
| 14/03/2019 | CRE 39 KM-100 | 11.3776 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 09:00 | 12.4254 |
| 08/03/2019 10:00 | 11.9471 |
| 08/03/2019 11:00 | 10.8108 |
| 08/03/2019 12:00 | 10.1389 |
| 08/03/2019 13:00 | 12.215 |
| 08/03/2019 14:00 | 11.9471 |
| 08/03/2019 15:00 | 10.8108 |
| 08/03/2019 16:00 | 12.6945 |
| 08/03/2019 17:00 | 12.6688 |
| 08/03/2019 18:00 | 12.675 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 19:00 | 12.6697 |
| 08/03/2019 20:00 | 12.6437 |
| 08/03/2019 21:00 | 12.6271 |
| 08/03/2019 22:00 | 12.6192 |
| 08/03/2019 23:00 | 12.6135 |
| 09/03/2019 00:00 | 12.5938 |
| 09/03/2019 01:00 | 12.5658 |
| 09/03/2019 02:00 | 12.5403 |
| 09/03/2019 03:00 | 12.512 |
| 09/03/2019 04:00 | 12.4796 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 05:00 | 9.8896 |
| 09/03/2019 06:00 | 9.8912 |
| 09/03/2019 07:00 | 9.8951 |
| 09/03/2019 08:00 | 9.9038 |
| 09/03/2019 09:00 | 9.9163 |
| 09/03/2019 10:00 | 9.9355 |
| 09/03/2019 11:00 | 9.9491 |
| 09/03/2019 12:00 | 9.9596 |
| 09/03/2019 13:00 | 9.9708 |
| 09/03/2019 14:00 | 9.9805 |
| 09/03/2019 15:00 | 9.9968 |
| 09/03/2019 16:00 | 10.0102 |
| 09/03/2019 17:00 | 12.3505 |
| 09/03/2019 18:00 | 12.351 |
| 09/03/2019 19:00 | 12.3613 |
| 09/03/2019 20:00 | 12.3929 |
| 09/03/2019 21:00 | 12.4754 |
| 09/03/2019 22:00 | 12.6225 |
| 09/03/2019 23:00 | 12.6738 |
| 10/03/2019 00:00 | 12.7389 |
| 10/03/2019 01:00 | 12.7743 |
| 10/03/2019 02:00 | 12.7839 |
| 10/03/2019 03:00 | 12.8207 |
| 10/03/2019 04:00 | 12.8226 |
| 10/03/2019 05:00 | 9.8896 |
| 10/03/2019 06:00 | 9.8912 |
| 10/03/2019 07:00 | 9.8951 |
| 10/03/2019 08:00 | 9.9038 |
| 10/03/2019 09:00 | 9.9163 |
| 10/03/2019 10:00 | 9.9355 |
| 10/03/2019 11:00 | 9.9491 |
| 10/03/2019 12:00 | 9.9596 |
| 10/03/2019 13:00 | 12.7958 |
| 10/03/2019 14:00 | 12.7915 |
| 10/03/2019 15:00 | 12.8122 |
| 10/03/2019 16:00 | 12.8238 |
| 10/03/2019 17:00 | 12.8616 |
| 10/03/2019 18:00 | 12.9106 |
| 10/03/2019 19:00 | 11.696 |
| 10/03/2019 20:00 | 10.6024 |
| 10/03/2019 21:00 | 12.6271 |
| 10/03/2019 22:00 | 12.6192 |
| 10/03/2019 23:00 | 12.6135 |
| 11/03/2019 00:00 | 12.5938 |
| 11/03/2019 01:00 | 12.5658 |
| 11/03/2019 02:00 | 12.5403 |
| 11/03/2019 03:00 | 12.512 |
| 11/03/2019 04:00 | 12.4796 |
| 11/03/2019 05:00 | 12.3792 |
| 11/03/2019 06:00 | 12.7056 |
| 11/03/2019 07:00 | 12.9419 |
| 11/03/2019 08:00 | 13.1735 |
| 11/03/2019 09:00 | 13.5614 |
| 11/03/2019 10:00 | 12.3792 |
| 11/03/2019 11:00 | 12.7056 |
| 11/03/2019 12:00 | 12.9419 |
| 11/03/2019 13:00 | 13.1735 |
| 11/03/2019 14:00 | 13.5614 |
| 11/03/2019 15:00 | 13.2088 |
| 11/03/2019 16:00 | 13.368 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 17:00 | 13.5804 |
| 11/03/2019 18:00 | 13.5276 |
| 11/03/2019 19:00 | 13.0535 |
| 11/03/2019 20:00 | 13.1845 |
| 11/03/2019 21:00 | 13.2 |
| 11/03/2019 22:00 | 13.1586 |
| 11/03/2019 23:00 | 13.0669 |
| 12/03/2019 00:00 | 13.0815 |
| 12/03/2019 01:00 | 13.1118 |
| 12/03/2019 02:00 | 13.1596 |
| 12/03/2019 03:00 | 13.1838 |
| 12/03/2019 04:00 | 13.1834 |
| 12/03/2019 05:00 | 13.1675 |
| 12/03/2019 06:00 | 13.1444 |
| 12/03/2019 07:00 | 13.114 |
| 12/03/2019 08:00 | 13.0586 |
| 12/03/2019 09:00 | 12.9542 |
| 12/03/2019 10:00 | 12.8365 |
| 12/03/2019 11:00 | 12.7188 |
| 12/03/2019 12:00 | 12.61 |
| 12/03/2019 13:00 | 11.7918 |
| 12/03/2019 14:00 | 10.409 |
| 12/03/2019 15:00 | 10.2787 |
| 12/03/2019 16:00 | 10.1068 |
| 12/03/2019 17:00 | 10.0325 |
| 12/03/2019 18:00 | 9.9838 |
| 12/03/2019 19:00 | 10.019 |
| 12/03/2019 20:00 | 10.0427 |
| 12/03/2019 21:00 | 10.149 |
| 12/03/2019 22:00 | 10.0853 |
| 12/03/2019 23:00 | 10.1044 |
| 13/03/2019 00:00 | 10.1402 |
| 13/03/2019 01:00 | 10.174 |
| 13/03/2019 02:00 | 10.2145 |
| 13/03/2019 03:00 | 10.2504 |
| 13/03/2019 04:00 | 10.2896 |
| 13/03/2019 05:00 | 10.3273 |
| 13/03/2019 06:00 | 10.3636 |
| 13/03/2019 07:00 | 10.4048 |
| 13/03/2019 08:00 | 10.44 |
| 13/03/2019 09:00 | 10.4701 |
| 13/03/2019 10:00 | 10.4985 |
| 13/03/2019 11:00 | 10.5321 |
| 13/03/2019 12:00 | 10.5614 |
| 13/03/2019 13:00 | 10.5802 |
| 13/03/2019 14:00 | 10.6336 |
| 13/03/2019 15:00 | 10.6548 |
| 13/03/2019 16:00 | 10.6758 |
| 13/03/2019 17:00 | 10.683 |
| 13/03/2019 18:00 | 10.6931 |
| 13/03/2019 19:00 | 10.6956 |
| 13/03/2019 20:00 | 10.6962 |
| 13/03/2019 21:00 | 10.6963 |
| 13/03/2019 22:00 | 10.6957 |
| 13/03/2019 23:00 | 10.6954 |
| 14/03/2019 00:00 | 10.6929 |
| 14/03/2019 01:00 | 10.6901 |
| 14/03/2019 02:00 | 10.6849 |
| 14/03/2019 03:00 | 10.6796 |
| 14/03/2019 04:00 | 10.6736 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|---------------------------------------|
| 14/03/2019 05:00 | 10.6684 |
| 14/03/2019 06:00 | 10.6612 |
| 14/03/2019 07:00 | 10.654 |
| 14/03/2019 08:00 | 10.6453 |
| 14/03/2019 09:00 | 10.6352 |
| 14/03/2019 10:00 | 10.6269 |
| 14/03/2019 11:00 | 10.6248 |
| 14/03/2019 12:00 | 10.6248 |
| 14/03/2019 13:00 | 25.5165 |
| 14/03/2019 14:00 | 10.6357 |
| 14/03/2019 15:00 | 10.654 |
| 14/03/2019 16:00 | 10.6572 |
| 14/03/2019 17:00 | 10.6724 |
| 14/03/2019 18:00 | 10.6888 |
| 14/03/2019 19:00 | 10.706 |
| 14/03/2019 20:00 | 10.7243 |
| 14/03/2019 21:00 | 10.758 |
| 14/03/2019 22:00 | 10.8041 |
| 14/03/2019 23:00 | 10.8355 |
| 15/03/2019 00:00 | 10.8605 |
| 15/03/2019 01:00 | 10.8747 |
| 15/03/2019 02:00 | 10.881 |
| 15/03/2019 03:00 | 10.8811 |
| 15/03/2019 04:00 | 10.8819 |
| 15/03/2019 05:00 | 10.8806 |
| 15/03/2019 06:00 | 10.8803 |
| 15/03/2019 07:00 | 10.8794 |
| 15/03/2019 08:00 | 10.8784 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 08/03/2019 | CRE 40 CPG Nuevo Pemex | 12.6399 |
| 09/03/2019 | CRE 40 CPG Nuevo Pemex | 13.18 |
| 10/03/2019 | CRE 40 CPG Nuevo Pemex | 13.1759 |
| 11/03/2019 | CRE 40 CPG Nuevo Pemex | 13.2373 |
| 12/03/2019 | CRE 40 CPG Nuevo Pemex | 13.1796 |
| 13/03/2019 | CRE 40 CPG Nuevo Pemex | 12.6996 |
| 14/03/2019 | CRE 40 CPG Nuevo Pemex | 12.7544 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 05:00 | 11.5672 |
| 08/03/2019 06:00 | 11.1361 |
| 08/03/2019 07:00 | 10.9897 |
| 08/03/2019 08:00 | 13.1141 |
| 08/03/2019 09:00 | 12.7532 |
| 08/03/2019 10:00 | 12.8039 |
| 08/03/2019 11:00 | 12.8502 |
| 08/03/2019 12:00 | 12.6869 |
| 08/03/2019 13:00 | 12.7299 |
| 08/03/2019 14:00 | 13.0854 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 08/03/2019 15:00 | 12.9864 |
| 08/03/2019 16:00 | 12.9143 |
| 08/03/2019 17:00 | 12.8039 |
| 08/03/2019 18:00 | 12.8502 |
| 08/03/2019 19:00 | 12.6869 |
| 08/03/2019 20:00 | 12.7299 |
| 08/03/2019 21:00 | 12.5162 |
| 08/03/2019 22:00 | 12.4701 |
| 08/03/2019 23:00 | 12.7158 |
| 09/03/2019 00:00 | 12.7876 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 09/03/2019 01:00 | 13.0894 |
| 09/03/2019 02:00 | 13.0093 |
| 09/03/2019 03:00 | 13.031 |
| 09/03/2019 04:00 | 13.0507 |
| 09/03/2019 05:00 | 13.1329 |
| 09/03/2019 06:00 | 13.091 |
| 09/03/2019 07:00 | 13.3459 |
| 09/03/2019 08:00 | 13.4329 |
| 09/03/2019 09:00 | 13.1665 |
| 09/03/2019 10:00 | 12.9472 |
| 09/03/2019 11:00 | 12.8717 |
| 09/03/2019 12:00 | 13.0553 |
| 09/03/2019 13:00 | 12.965 |
| 09/03/2019 14:00 | 13.1733 |
| 09/03/2019 15:00 | 13.2717 |
| 09/03/2019 16:00 | 13.286 |
| 09/03/2019 17:00 | 13.2863 |
| 09/03/2019 18:00 | 13.2711 |
| 09/03/2019 19:00 | 13.3589 |
| 09/03/2019 20:00 | 13.0439 |
| 09/03/2019 21:00 | 13.2674 |
| 09/03/2019 22:00 | 13.0495 |
| 09/03/2019 23:00 | 13.4279 |
| 10/03/2019 00:00 | 13.3904 |
| 10/03/2019 01:00 | 13.0641 |
| 10/03/2019 02:00 | 13.3115 |
| 10/03/2019 03:00 | 13.1328 |
| 10/03/2019 04:00 | 12.9759 |
| 10/03/2019 05:00 | 13.1641 |
| 10/03/2019 06:00 | 13.0824 |
| 10/03/2019 07:00 | 13.2212 |
| 10/03/2019 08:00 | 12.9016 |
| 10/03/2019 09:00 | 13.0094 |
| 10/03/2019 10:00 | 13.0685 |
| 10/03/2019 11:00 | 12.9252 |
| 10/03/2019 12:00 | 13.0413 |
| 10/03/2019 13:00 | 13.0325 |
| 10/03/2019 14:00 | 13.021 |
| 10/03/2019 15:00 | 13.4047 |
| 10/03/2019 16:00 | 13.5388 |
| 10/03/2019 17:00 | 13.328 |
| 10/03/2019 18:00 | 13.2147 |
| 10/03/2019 19:00 | 13.2315 |
| 10/03/2019 20:00 | 13.5051 |
| 10/03/2019 21:00 | 13.1089 |
| 10/03/2019 22:00 | 12.8545 |
| 10/03/2019 23:00 | 13.3137 |
| 11/03/2019 00:00 | 13.3665 |
| 11/03/2019 01:00 | 13.2939 |
| 11/03/2019 02:00 | 13.3088 |
| 11/03/2019 03:00 | 13.1413 |
| 11/03/2019 04:00 | 13.1446 |
| 11/03/2019 05:00 | 13.2697 |
| 11/03/2019 06:00 | 13.1631 |
| 11/03/2019 07:00 | 13.1502 |
| 11/03/2019 08:00 | 13.2709 |
| 11/03/2019 09:00 | 13.4101 |
| 11/03/2019 10:00 | 13.0252 |
| 11/03/2019 11:00 | 12.9219 |
| 11/03/2019 12:00 | 12.4064 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 11/03/2019 13:00 | 13.4095 |
| 11/03/2019 14:00 | 13.5165 |
| 11/03/2019 15:00 | 13.2307 |
| 11/03/2019 16:00 | 13.4322 |
| 11/03/2019 17:00 | 13.6766 |
| 11/03/2019 18:00 | 13.3452 |
| 11/03/2019 19:00 | 13.0422 |
| 11/03/2019 20:00 | 13.2686 |
| 11/03/2019 21:00 | 13.1972 |
| 11/03/2019 22:00 | 13.0558 |
| 11/03/2019 23:00 | 13.3549 |
| 12/03/2019 00:00 | 13.294 |
| 12/03/2019 01:00 | 13.4495 |
| 12/03/2019 02:00 | 13.2766 |
| 12/03/2019 03:00 | 13.3179 |
| 12/03/2019 04:00 | 13.2102 |
| 12/03/2019 05:00 | 13.3926 |
| 12/03/2019 06:00 | 13.4718 |
| 12/03/2019 07:00 | 13.516 |
| 12/03/2019 08:00 | 13.4375 |
| 12/03/2019 09:00 | 13.5841 |
| 12/03/2019 10:00 | 13.5527 |
| 12/03/2019 11:00 | 12.9269 |
| 12/03/2019 12:00 | 10.7634 |
| 12/03/2019 13:00 | 10.4491 |
| 12/03/2019 14:00 | 11.6603 |
| 12/03/2019 15:00 | 13.122 |
| 12/03/2019 16:00 | 12.8668 |
| 12/03/2019 17:00 | 13.9311 |
| 12/03/2019 18:00 | 14.3516 |
| 12/03/2019 19:00 | 14.2593 |
| 12/03/2019 20:00 | 14.0422 |
| 12/03/2019 21:00 | 13.9585 |
| 12/03/2019 22:00 | 13.8388 |
| 12/03/2019 23:00 | 13.6346 |
| 13/03/2019 00:00 | 13.0346 |
| 13/03/2019 01:00 | 13.157 |
| 13/03/2019 02:00 | 13.1441 |
| 13/03/2019 03:00 | 12.9968 |
| 13/03/2019 04:00 | 13.2187 |
| 13/03/2019 05:00 | 13.2792 |
| 13/03/2019 06:00 | 13.269 |
| 13/03/2019 07:00 | 13.0373 |
| 13/03/2019 08:00 | 12.9578 |
| 13/03/2019 09:00 | 12.706 |
| 13/03/2019 10:00 | 12.8869 |
| 13/03/2019 11:00 | 12.8345 |
| 13/03/2019 12:00 | 12.7579 |
| 13/03/2019 13:00 | 12.2021 |
| 13/03/2019 14:00 | 13.0874 |
| 13/03/2019 15:00 | 13.175 |
| 13/03/2019 16:00 | 12.9274 |
| 13/03/2019 17:00 | 13.0613 |
| 13/03/2019 18:00 | 12.6765 |
| 13/03/2019 19:00 | 12.6433 |
| 13/03/2019 20:00 | 12.4574 |
| 13/03/2019 21:00 | 12.379 |
| 13/03/2019 22:00 | 12.2212 |
| 13/03/2019 23:00 | 11.9461 |
| 14/03/2019 00:00 | 11.9451 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|-----------------------------------|
| 14/03/2019 01:00 | 12.4344 |
| 14/03/2019 02:00 | 12.674 |
| 14/03/2019 03:00 | 12.6799 |
| 14/03/2019 04:00 | 12.5505 |
| 14/03/2019 05:00 | 12.4467 |
| 14/03/2019 06:00 | 12.3275 |
| 14/03/2019 07:00 | 11.7652 |
| 14/03/2019 08:00 | 11.9618 |
| 14/03/2019 09:00 | 12.1269 |
| 14/03/2019 10:00 | 12.1413 |
| 14/03/2019 11:00 | 11.7385 |
| 14/03/2019 12:00 | 12.4213 |
| 14/03/2019 13:00 | 12.6062 |
| 14/03/2019 14:00 | 12.3327 |
| 14/03/2019 15:00 | 13.0304 |
| 14/03/2019 16:00 | 13.1 |
| 14/03/2019 17:00 | 13.0108 |
| 14/03/2019 18:00 | 13.1218 |
| 14/03/2019 19:00 | 13.1322 |
| 14/03/2019 20:00 | 13.2711 |
| 14/03/2019 21:00 | 13.3077 |
| 14/03/2019 22:00 | 13.2371 |
| 14/03/2019 23:00 | 13.417 |
| 15/03/2019 00:00 | 13.2943 |
| 15/03/2019 01:00 | 13.1704 |
| 15/03/2019 02:00 | 12.9305 |
| 15/03/2019 03:00 | 13.0883 |
| 15/03/2019 04:00 | 13.1254 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 35 Troncal 48" | 33.9633 |
| 16/03/2019 | CRE 35 Troncal 48" | 34.0626 |
| 17/03/2019 | CRE 35 Troncal 48" | 33.7368 |
| 18/03/2019 | CRE 35 Troncal 48" | 33.8464 |
| 19/03/2019 | CRE 35 Troncal 48" | 34.2222 |
| 20/03/2019 | CRE 35 Troncal 48" | 34.1594 |
| 21/03/2019 | CRE 35 Troncal 48" | 33.9997 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 09:00 | 33.7686 |
| 15/03/2019 10:00 | 33.7915 |
| 15/03/2019 11:00 | 33.8061 |
| 15/03/2019 12:00 | 33.8711 |
| 15/03/2019 13:00 | 33.8133 |
| 15/03/2019 14:00 | 34.0785 |
| 15/03/2019 15:00 | 33.9759 |
| 15/03/2019 16:00 | 33.9204 |
| 15/03/2019 17:00 | 33.8094 |
| 15/03/2019 18:00 | 33.9966 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 19:00 | 34.0809 |
| 15/03/2019 20:00 | 34.1598 |
| 15/03/2019 21:00 | 34.1581 |
| 15/03/2019 22:00 | 34.1082 |
| 15/03/2019 23:00 | 34.1342 |
| 16/03/2019 00:00 | 34.2038 |
| 16/03/2019 01:00 | 34.2002 |
| 16/03/2019 02:00 | 34.0319 |
| 16/03/2019 03:00 | 33.849 |
| 16/03/2019 04:00 | 34.0818 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 05:00 | 33.8605 |
| 16/03/2019 06:00 | 33.8463 |
| 16/03/2019 07:00 | 33.8229 |
| 16/03/2019 08:00 | 33.7505 |
| 16/03/2019 09:00 | 34.126 |
| 16/03/2019 10:00 | 34.2606 |
| 16/03/2019 11:00 | 34.2046 |
| 16/03/2019 12:00 | 34.1628 |
| 16/03/2019 13:00 | 34.0665 |
| 16/03/2019 14:00 | 34.1197 |
| 16/03/2019 15:00 | 34.0393 |
| 16/03/2019 16:00 | 34.0413 |
| 16/03/2019 17:00 | 33.9867 |
| 16/03/2019 18:00 | 33.9741 |
| 16/03/2019 19:00 | 33.8071 |
| 16/03/2019 20:00 | 34.0809 |
| 16/03/2019 21:00 | 34.1081 |
| 16/03/2019 22:00 | 33.9914 |
| 16/03/2019 23:00 | 33.896 |
| 17/03/2019 00:00 | 33.9508 |
| 17/03/2019 01:00 | 34.181 |
| 17/03/2019 02:00 | 34.1608 |
| 17/03/2019 03:00 | 33.9054 |
| 17/03/2019 04:00 | 33.647 |
| 17/03/2019 05:00 | 34.2992 |
| 17/03/2019 06:00 | 34.357 |
| 17/03/2019 07:00 | 34.1102 |
| 17/03/2019 08:00 | 34.0267 |
| 17/03/2019 09:00 | 33.8002 |
| 17/03/2019 10:00 | 33.8127 |
| 17/03/2019 11:00 | 33.8427 |
| 17/03/2019 12:00 | 34.0202 |
| 17/03/2019 13:00 | 33.8462 |
| 17/03/2019 14:00 | 33.9152 |
| 17/03/2019 15:00 | 33.9349 |
| 17/03/2019 16:00 | 33.7494 |
| 17/03/2019 17:00 | 33.5605 |
| 17/03/2019 18:00 | 33.567 |
| 17/03/2019 19:00 | 33.53 |
| 17/03/2019 20:00 | 33.5401 |
| 17/03/2019 21:00 | 33.6029 |
| 17/03/2019 22:00 | 33.6671 |
| 17/03/2019 23:00 | 33.6948 |
| 18/03/2019 00:00 | 33.6441 |
| 18/03/2019 01:00 | 33.5957 |
| 18/03/2019 02:00 | 33.519 |
| 18/03/2019 03:00 | 33.5552 |
| 18/03/2019 04:00 | 33.5567 |
| 18/03/2019 05:00 | 33.7529 |
| 18/03/2019 06:00 | 34.0578 |
| 18/03/2019 07:00 | 34.0214 |
| 18/03/2019 08:00 | 33.8963 |
| 18/03/2019 09:00 | 33.5449 |
| 18/03/2019 10:00 | 33.5894 |
| 18/03/2019 11:00 | 33.4569 |
| 18/03/2019 12:00 | 33.5996 |
| 18/03/2019 13:00 | 33.8377 |
| 18/03/2019 14:00 | 34.1025 |
| 18/03/2019 15:00 | 34.0909 |
| 18/03/2019 16:00 | 34.0629 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 17:00 | 33.9756 |
| 18/03/2019 18:00 | 33.9194 |
| 18/03/2019 19:00 | 33.9102 |
| 18/03/2019 20:00 | 33.8932 |
| 18/03/2019 21:00 | 33.9831 |
| 18/03/2019 22:00 | 34.0257 |
| 18/03/2019 23:00 | 33.9728 |
| 19/03/2019 00:00 | 33.9899 |
| 19/03/2019 01:00 | 34.0425 |
| 19/03/2019 02:00 | 33.9871 |
| 19/03/2019 03:00 | 33.8087 |
| 19/03/2019 04:00 | 33.8417 |
| 19/03/2019 05:00 | 33.5505 |
| 19/03/2019 06:00 | 33.7914 |
| 19/03/2019 07:00 | 33.7112 |
| 19/03/2019 08:00 | 33.625 |
| 19/03/2019 09:00 | 33.9973 |
| 19/03/2019 10:00 | 34.076 |
| 19/03/2019 11:00 | 34.2125 |
| 19/03/2019 12:00 | 34.489 |
| 19/03/2019 13:00 | 34.2408 |
| 19/03/2019 14:00 | 34.3334 |
| 19/03/2019 15:00 | 34.4146 |
| 19/03/2019 16:00 | 34.3836 |
| 19/03/2019 17:00 | 34.3655 |
| 19/03/2019 18:00 | 34.2849 |
| 19/03/2019 19:00 | 34.312 |
| 19/03/2019 20:00 | 34.2973 |
| 19/03/2019 21:00 | 34.2636 |
| 19/03/2019 22:00 | 34.2258 |
| 19/03/2019 23:00 | 34.184 |
| 20/03/2019 00:00 | 34.185 |
| 20/03/2019 01:00 | 34.1513 |
| 20/03/2019 02:00 | 34.205 |
| 20/03/2019 03:00 | 34.2584 |
| 20/03/2019 04:00 | 34.2808 |
| 20/03/2019 05:00 | 33.9993 |
| 20/03/2019 06:00 | 34.084 |
| 20/03/2019 07:00 | 34.0008 |
| 20/03/2019 08:00 | 34.0867 |
| 20/03/2019 09:00 | 34.1581 |
| 20/03/2019 10:00 | 34.0269 |
| 20/03/2019 11:00 | 33.9225 |
| 20/03/2019 12:00 | 33.9481 |
| 20/03/2019 13:00 | 34.0495 |
| 20/03/2019 14:00 | 34.0917 |
| 20/03/2019 15:00 | 34.1106 |
| 20/03/2019 16:00 | 34.0789 |
| 20/03/2019 17:00 | 34.096 |
| 20/03/2019 18:00 | 34.384 |
| 20/03/2019 19:00 | 34.1606 |
| 20/03/2019 20:00 | 34.1889 |
| 20/03/2019 21:00 | 34.1956 |
| 20/03/2019 22:00 | 34.1889 |
| 20/03/2019 23:00 | 34.2076 |
| 21/03/2019 00:00 | 34.3189 |
| 21/03/2019 01:00 | 34.2482 |
| 21/03/2019 02:00 | 34.2087 |
| 21/03/2019 03:00 | 34.1977 |
| 21/03/2019 04:00 | 34.255 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 21/03/2019 05:00 | 34.1945 |
| 21/03/2019 06:00 | 34.2166 |
| 21/03/2019 07:00 | 34.1899 |
| 21/03/2019 08:00 | 34.1893 |
| 21/03/2019 09:00 | 34.1186 |
| 21/03/2019 10:00 | 34.0808 |
| 21/03/2019 11:00 | 34.0932 |
| 21/03/2019 12:00 | 33.9494 |
| 21/03/2019 13:00 | 33.9375 |
| 21/03/2019 14:00 | 34.1678 |
| 21/03/2019 15:00 | 34.0962 |
| 21/03/2019 16:00 | 34.06 |
| 21/03/2019 17:00 | 34.0234 |
| 21/03/2019 18:00 | 33.9695 |
| 21/03/2019 19:00 | 34.0165 |
| 21/03/2019 20:00 | 34.0466 |
| 21/03/2019 21:00 | 34.031 |
| 21/03/2019 22:00 | 33.9604 |
| 21/03/2019 23:00 | 33.9857 |
| 22/03/2019 00:00 | 33.8282 |
| 22/03/2019 01:00 | 33.8023 |
| 22/03/2019 02:00 | 33.8568 |
| 22/03/2019 03:00 | 33.7616 |
| 22/03/2019 04:00 | 33.697 |
| 22/03/2019 05:00 | 34.1369 |
| 22/03/2019 06:00 | 34.1521 |
| 22/03/2019 07:00 | 34.0961 |
| 22/03/2019 08:00 | 34.125 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 38 CPG Cactus | 35.3506 |
| 16/03/2019 | CRE 38 CPG Cactus | 35.5568 |
| 17/03/2019 | CRE 38 CPG Cactus | 35.3435 |
| 18/03/2019 | CRE 38 CPG Cactus | 35.152 |
| 19/03/2019 | CRE 38 CPG Cactus | 35.1553 |
| 20/03/2019 | CRE 38 CPG Cactus | 35.1667 |
| 21/03/2019 | CRE 38 CPG Cactus | 35.2432 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 05:00 | 35.3954 |
| 15/03/2019 06:00 | 35.3903 |
| 15/03/2019 07:00 | 35.3849 |
| 15/03/2019 08:00 | 35.3761 |
| 15/03/2019 09:00 | 35.3718 |
| 15/03/2019 10:00 | 35.3539 |
| 15/03/2019 11:00 | 35.346 |
| 15/03/2019 12:00 | 35.338 |
| 15/03/2019 13:00 | 35.3287 |
| 15/03/2019 14:00 | 35.3155 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 15:00 | 35.309 |
| 15/03/2019 16:00 | 35.3093 |
| 15/03/2019 17:00 | 35.3062 |
| 15/03/2019 18:00 | 35.3065 |
| 15/03/2019 19:00 | 35.3226 |
| 15/03/2019 20:00 | 35.3475 |
| 15/03/2019 21:00 | 35.3629 |
| 15/03/2019 22:00 | 35.3808 |
| 15/03/2019 23:00 | 35.3754 |
| 16/03/2019 00:00 | 35.3716 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 01:00 | 35.3616 |
| 16/03/2019 02:00 | 35.354 |
| 16/03/2019 03:00 | 35.3508 |
| 16/03/2019 04:00 | 35.3564 |
| 16/03/2019 05:00 | 35.3533 |
| 16/03/2019 06:00 | 35.3387 |
| 16/03/2019 07:00 | 35.328 |
| 16/03/2019 08:00 | 35.3335 |
| 16/03/2019 09:00 | 35.3768 |
| 16/03/2019 10:00 | 35.4407 |
| 16/03/2019 11:00 | 35.4985 |
| 16/03/2019 12:00 | 35.5597 |
| 16/03/2019 13:00 | 35.5949 |
| 16/03/2019 14:00 | 35.6115 |
| 16/03/2019 15:00 | 35.6134 |
| 16/03/2019 16:00 | 35.6188 |
| 16/03/2019 17:00 | 35.6214 |
| 16/03/2019 18:00 | 35.6449 |
| 16/03/2019 19:00 | 35.6714 |
| 16/03/2019 20:00 | 35.6782 |
| 16/03/2019 21:00 | 35.6853 |
| 16/03/2019 22:00 | 35.6864 |
| 16/03/2019 23:00 | 35.6745 |
| 17/03/2019 00:00 | 35.6572 |
| 17/03/2019 01:00 | 35.6216 |
| 17/03/2019 02:00 | 35.5826 |
| 17/03/2019 03:00 | 35.5792 |
| 17/03/2019 04:00 | 35.5916 |
| 17/03/2019 05:00 | 35.5756 |
| 17/03/2019 06:00 | 35.5566 |
| 17/03/2019 07:00 | 35.5268 |
| 17/03/2019 08:00 | 35.5053 |
| 17/03/2019 09:00 | 35.4864 |
| 17/03/2019 10:00 | 35.4638 |
| 17/03/2019 11:00 | 35.4385 |
| 17/03/2019 12:00 | 35.4172 |
| 17/03/2019 13:00 | 35.3904 |
| 17/03/2019 14:00 | 35.3681 |
| 17/03/2019 15:00 | 35.3479 |
| 17/03/2019 16:00 | 35.327 |
| 17/03/2019 17:00 | 35.3074 |
| 17/03/2019 18:00 | 35.2865 |
| 17/03/2019 19:00 | 35.2716 |
| 17/03/2019 20:00 | 35.259 |
| 17/03/2019 21:00 | 35.2574 |
| 17/03/2019 22:00 | 35.2467 |
| 17/03/2019 23:00 | 35.2352 |
| 18/03/2019 00:00 | 35.2185 |
| 18/03/2019 01:00 | 35.2055 |
| 18/03/2019 02:00 | 35.1912 |
| 18/03/2019 03:00 | 35.1821 |
| 18/03/2019 04:00 | 35.1795 |
| 18/03/2019 05:00 | 35.1846 |
| 18/03/2019 06:00 | 35.1882 |
| 18/03/2019 07:00 | 35.1958 |
| 18/03/2019 08:00 | 35.1986 |
| 18/03/2019 09:00 | 35.1949 |
| 18/03/2019 10:00 | 35.1872 |
| 18/03/2019 11:00 | 35.1757 |
| 18/03/2019 12:00 | 35.1692 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 13:00 | 35.1542 |
| 18/03/2019 14:00 | 35.1473 |
| 18/03/2019 15:00 | 35.1437 |
| 18/03/2019 16:00 | 35.1431 |
| 18/03/2019 17:00 | 35.1406 |
| 18/03/2019 18:00 | 35.1414 |
| 18/03/2019 19:00 | 35.1369 |
| 18/03/2019 20:00 | 35.1257 |
| 18/03/2019 21:00 | 35.1193 |
| 18/03/2019 22:00 | 35.1148 |
| 18/03/2019 23:00 | 35.113 |
| 19/03/2019 00:00 | 35.1122 |
| 19/03/2019 01:00 | 35.1234 |
| 19/03/2019 02:00 | 35.1359 |
| 19/03/2019 03:00 | 35.1473 |
| 19/03/2019 04:00 | 35.1558 |
| 19/03/2019 05:00 | 35.1607 |
| 19/03/2019 06:00 | 35.1594 |
| 19/03/2019 07:00 | 35.156 |
| 19/03/2019 08:00 | 35.1601 |
| 19/03/2019 09:00 | 35.1599 |
| 19/03/2019 10:00 | 35.1729 |
| 19/03/2019 11:00 | 35.1845 |
| 19/03/2019 12:00 | 35.194 |
| 19/03/2019 13:00 | 35.2008 |
| 19/03/2019 14:00 | 35.2005 |
| 19/03/2019 15:00 | 35.1887 |
| 19/03/2019 16:00 | 35.1669 |
| 19/03/2019 17:00 | 35.1475 |
| 19/03/2019 18:00 | 35.1368 |
| 19/03/2019 19:00 | 35.1278 |
| 19/03/2019 20:00 | 35.1251 |
| 19/03/2019 21:00 | 35.1271 |
| 19/03/2019 22:00 | 35.1257 |
| 19/03/2019 23:00 | 35.1286 |
| 20/03/2019 00:00 | 35.1348 |
| 20/03/2019 01:00 | 35.1395 |
| 20/03/2019 02:00 | 35.1408 |
| 20/03/2019 03:00 | 35.1417 |
| 20/03/2019 04:00 | 35.1465 |
| 20/03/2019 05:00 | 35.1467 |
| 20/03/2019 06:00 | 35.1477 |
| 20/03/2019 07:00 | 35.1434 |
| 20/03/2019 08:00 | 35.1514 |
| 20/03/2019 09:00 | 35.158 |
| 20/03/2019 10:00 | 35.1559 |
| 20/03/2019 11:00 | 35.1523 |
| 20/03/2019 12:00 | 35.1558 |
| 20/03/2019 13:00 | 35.1606 |
| 20/03/2019 14:00 | 35.1574 |
| 20/03/2019 15:00 | 35.1658 |
| 20/03/2019 16:00 | 35.1738 |
| 20/03/2019 17:00 | 35.1964 |
| 20/03/2019 18:00 | 35.2182 |
| 20/03/2019 19:00 | 35.2376 |
| 20/03/2019 20:00 | 35.2375 |
| 20/03/2019 21:00 | 35.2303 |
| 20/03/2019 22:00 | 35.2022 |
| 20/03/2019 23:00 | 35.1897 |
| 21/03/2019 00:00 | 35.1539 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 21/03/2019 01:00 | 35.131 |
| 21/03/2019 02:00 | 35.1071 |
| 21/03/2019 03:00 | 35.1059 |
| 21/03/2019 04:00 | 35.1217 |
| 21/03/2019 05:00 | 35.1457 |
| 21/03/2019 06:00 | 35.1871 |
| 21/03/2019 07:00 | 35.216 |
| 21/03/2019 08:00 | 35.2298 |
| 21/03/2019 09:00 | 35.2494 |
| 21/03/2019 10:00 | 35.251 |
| 21/03/2019 11:00 | 35.2376 |
| 21/03/2019 12:00 | 35.2242 |
| 21/03/2019 13:00 | 35.2187 |
| 21/03/2019 14:00 | 35.2076 |
| 21/03/2019 15:00 | 35.2049 |
| 21/03/2019 16:00 | 35.2032 |
| 21/03/2019 17:00 | 35.2078 |
| 21/03/2019 18:00 | 35.213 |
| 21/03/2019 19:00 | 35.2208 |
| 21/03/2019 20:00 | 35.2295 |
| 21/03/2019 21:00 | 35.2242 |
| 21/03/2019 22:00 | 35.244 |
| 21/03/2019 23:00 | 35.2736 |
| 22/03/2019 00:00 | 35.3056 |
| 22/03/2019 01:00 | 35.3256 |
| 22/03/2019 02:00 | 35.3412 |
| 22/03/2019 03:00 | 35.3485 |
| 22/03/2019 04:00 | 35.3279 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 39 KM-100 | 35.3427 |
| 16/03/2019 | CRE 39 KM-100 | 35.5908 |
| 17/03/2019 | CRE 39 KM-100 | 35.2854 |
| 18/03/2019 | CRE 39 KM-100 | 35.1466 |
| 19/03/2019 | CRE 39 KM-100 | 35.1534 |
| 20/03/2019 | CRE 39 KM-100 | 35.1746 |
| 21/03/2019 | CRE 39 KM-100 | 35.2593 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 09:00 | 35.3719 |
| 15/03/2019 10:00 | 35.354 |
| 15/03/2019 11:00 | 35.3461 |
| 15/03/2019 12:00 | 35.3381 |
| 15/03/2019 13:00 | 35.3288 |
| 15/03/2019 14:00 | 35.3156 |
| 15/03/2019 15:00 | 35.3091 |
| 15/03/2019 16:00 | 35.3094 |
| 15/03/2019 17:00 | 35.3063 |
| 15/03/2019 18:00 | 35.3066 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 19:00 | 35.3228 |
| 15/03/2019 20:00 | 35.3476 |
| 15/03/2019 21:00 | 35.3631 |
| 15/03/2019 22:00 | 35.3809 |
| 15/03/2019 23:00 | 35.3755 |
| 16/03/2019 00:00 | 35.3718 |
| 16/03/2019 01:00 | 35.3617 |
| 16/03/2019 02:00 | 35.3542 |
| 16/03/2019 03:00 | 35.3509 |
| 16/03/2019 04:00 | 35.3565 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 05:00 | 35.3534 |
| 16/03/2019 06:00 | 35.3388 |
| 16/03/2019 07:00 | 35.3281 |
| 16/03/2019 08:00 | 35.3336 |
| 16/03/2019 09:00 | 35.3769 |
| 16/03/2019 10:00 | 35.4409 |
| 16/03/2019 11:00 | 35.4987 |
| 16/03/2019 12:00 | 35.5599 |
| 16/03/2019 13:00 | 35.5952 |
| 16/03/2019 14:00 | 35.6117 |
| 16/03/2019 15:00 | 35.6136 |
| 16/03/2019 16:00 | 35.6191 |
| 16/03/2019 17:00 | 35.6216 |
| 16/03/2019 18:00 | 35.6451 |
| 16/03/2019 19:00 | 35.6716 |
| 16/03/2019 20:00 | 35.6785 |
| 16/03/2019 21:00 | 35.6856 |
| 16/03/2019 22:00 | 35.6867 |
| 16/03/2019 23:00 | 35.6747 |
| 17/03/2019 00:00 | 35.6575 |
| 17/03/2019 01:00 | 35.6219 |
| 17/03/2019 02:00 | 35.5828 |
| 17/03/2019 03:00 | 35.5795 |
| 17/03/2019 04:00 | 35.5918 |
| 17/03/2019 05:00 | 35.5758 |
| 17/03/2019 06:00 | 35.5568 |
| 17/03/2019 07:00 | 35.527 |
| 17/03/2019 08:00 | 35.5056 |
| 17/03/2019 09:00 | 35.4866 |
| 17/03/2019 10:00 | 35.464 |
| 17/03/2019 11:00 | 35.4386 |
| 17/03/2019 12:00 | 35.4173 |
| 17/03/2019 13:00 | 35.3906 |
| 17/03/2019 14:00 | 35.3682 |
| 17/03/2019 15:00 | 35.348 |
| 17/03/2019 16:00 | 35.3271 |
| 17/03/2019 17:00 | 35.3075 |
| 17/03/2019 18:00 | 35.2866 |
| 17/03/2019 19:00 | 35.2717 |
| 17/03/2019 20:00 | 35.2591 |
| 17/03/2019 21:00 | 35.2575 |
| 17/03/2019 22:00 | 35.2467 |
| 17/03/2019 23:00 | 35.2353 |
| 18/03/2019 00:00 | 35.2185 |
| 18/03/2019 01:00 | 35.2055 |
| 18/03/2019 02:00 | 35.1913 |
| 18/03/2019 03:00 | 35.1822 |
| 18/03/2019 04:00 | 35.1796 |
| 18/03/2019 05:00 | 35.1847 |
| 18/03/2019 06:00 | 35.1883 |
| 18/03/2019 07:00 | 35.1958 |
| 18/03/2019 08:00 | 35.1987 |
| 18/03/2019 09:00 | 35.195 |
| 18/03/2019 10:00 | 35.1873 |
| 18/03/2019 11:00 | 35.1758 |
| 18/03/2019 12:00 | 35.1693 |
| 18/03/2019 13:00 | 35.1543 |
| 18/03/2019 14:00 | 35.1474 |
| 18/03/2019 15:00 | 35.1437 |
| 18/03/2019 16:00 | 35.1432 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 17:00 | 35.1406 |
| 18/03/2019 18:00 | 35.1415 |
| 18/03/2019 19:00 | 35.1369 |
| 18/03/2019 20:00 | 35.1258 |
| 18/03/2019 21:00 | 35.1194 |
| 18/03/2019 22:00 | 35.1148 |
| 18/03/2019 23:00 | 35.1131 |
| 19/03/2019 00:00 | 35.1122 |
| 19/03/2019 01:00 | 35.1235 |
| 19/03/2019 02:00 | 35.1359 |
| 19/03/2019 03:00 | 35.1474 |
| 19/03/2019 04:00 | 35.1559 |
| 19/03/2019 05:00 | 35.1607 |
| 19/03/2019 06:00 | 35.1595 |
| 19/03/2019 07:00 | 35.156 |
| 19/03/2019 08:00 | 35.1601 |
| 19/03/2019 09:00 | 35.1599 |
| 19/03/2019 10:00 | 35.173 |
| 19/03/2019 11:00 | 35.1846 |
| 19/03/2019 12:00 | 35.194 |
| 19/03/2019 13:00 | 35.2008 |
| 19/03/2019 14:00 | 35.2006 |
| 19/03/2019 15:00 | 35.1887 |
| 19/03/2019 16:00 | 35.1669 |
| 19/03/2019 17:00 | 35.1476 |
| 19/03/2019 18:00 | 35.1368 |
| 19/03/2019 19:00 | 35.1279 |
| 19/03/2019 20:00 | 35.1251 |
| 19/03/2019 21:00 | 35.1271 |
| 19/03/2019 22:00 | 35.1257 |
| 19/03/2019 23:00 | 35.1287 |
| 20/03/2019 00:00 | 35.1349 |
| 20/03/2019 01:00 | 35.1396 |
| 20/03/2019 02:00 | 35.1408 |
| 20/03/2019 03:00 | 35.1418 |
| 20/03/2019 04:00 | 35.1466 |
| 20/03/2019 05:00 | 35.1467 |
| 20/03/2019 06:00 | 35.1478 |
| 20/03/2019 07:00 | 35.1434 |
| 20/03/2019 08:00 | 35.1515 |
| 20/03/2019 09:00 | 35.1581 |
| 20/03/2019 10:00 | 35.1559 |
| 20/03/2019 11:00 | 35.1523 |
| 20/03/2019 12:00 | 35.1558 |
| 20/03/2019 13:00 | 35.1606 |
| 20/03/2019 14:00 | 35.1574 |
| 20/03/2019 15:00 | 35.1659 |
| 20/03/2019 16:00 | 35.1739 |
| 20/03/2019 17:00 | 35.1964 |
| 20/03/2019 18:00 | 35.2182 |
| 20/03/2019 19:00 | 35.2377 |
| 20/03/2019 20:00 | 35.2375 |
| 20/03/2019 21:00 | 35.2304 |
| 20/03/2019 22:00 | 35.2023 |
| 20/03/2019 23:00 | 35.1898 |
| 21/03/2019 00:00 | 35.154 |
| 21/03/2019 01:00 | 35.1311 |
| 21/03/2019 02:00 | 35.1071 |
| 21/03/2019 03:00 | 35.1059 |
| 21/03/2019 04:00 | 35.1218 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 21/03/2019 05:00 | 35.1458 |
| 21/03/2019 06:00 | 35.1872 |
| 21/03/2019 07:00 | 35.216 |
| 21/03/2019 08:00 | 35.2299 |
| 21/03/2019 09:00 | 35.2494 |
| 21/03/2019 10:00 | 35.251 |
| 21/03/2019 11:00 | 35.2376 |
| 21/03/2019 12:00 | 35.2243 |
| 21/03/2019 13:00 | 35.2188 |
| 21/03/2019 14:00 | 35.2077 |
| 21/03/2019 15:00 | 35.205 |
| 21/03/2019 16:00 | 35.2032 |
| 21/03/2019 17:00 | 35.2079 |
| 21/03/2019 18:00 | 35.2131 |
| 21/03/2019 19:00 | 35.2208 |
| 21/03/2019 20:00 | 35.2295 |
| 21/03/2019 21:00 | 35.2243 |
| 21/03/2019 22:00 | 35.2441 |
| 21/03/2019 23:00 | 35.2736 |
| 22/03/2019 00:00 | 35.3056 |
| 22/03/2019 01:00 | 35.3257 |
| 22/03/2019 02:00 | 35.3413 |
| 22/03/2019 03:00 | 35.3486 |
| 22/03/2019 04:00 | 35.328 |
| 22/03/2019 05:00 | 35.3162 |
| 22/03/2019 06:00 | 35.296 |
| 22/03/2019 07:00 | 35.2859 |
| 22/03/2019 08:00 | 35.2659 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Poder calorífico

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 40 CPG Nuevo Pemex | 33.9462 |
| 16/03/2019 | CRE 40 CPG Nuevo Pemex | 34.0448 |
| 17/03/2019 | CRE 40 CPG Nuevo Pemex | 33.7168 |
| 18/03/2019 | CRE 40 CPG Nuevo Pemex | 33.8217 |
| 19/03/2019 | CRE 40 CPG Nuevo Pemex | 34.2131 |
| 20/03/2019 | CRE 40 CPG Nuevo Pemex | 34.1488 |
| 21/03/2019 | CRE 40 CPG Nuevo Pemex | 33.985 |

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

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 05:00 | 33.8409 |
| 15/03/2019 06:00 | 33.8263 |
| 15/03/2019 07:00 | 33.8053 |
| 15/03/2019 08:00 | 33.731 |
| 15/03/2019 09:00 | 33.7474 |
| 15/03/2019 10:00 | 33.7715 |
| 15/03/2019 11:00 | 33.7878 |
| 15/03/2019 12:00 | 33.8523 |
| 15/03/2019 13:00 | 33.7932 |
| 15/03/2019 14:00 | 34.0637 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 15:00 | 33.9587 |
| 15/03/2019 16:00 | 33.9011 |
| 15/03/2019 17:00 | 33.7894 |
| 15/03/2019 18:00 | 33.98 |
| 15/03/2019 19:00 | 34.0668 |
| 15/03/2019 20:00 | 34.1464 |
| 15/03/2019 21:00 | 34.1438 |
| 15/03/2019 22:00 | 34.0929 |
| 15/03/2019 23:00 | 34.12 |
| 16/03/2019 00:00 | 34.1909 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 01:00 | 34.1868 |
| 16/03/2019 02:00 | 34.0159 |
| 16/03/2019 03:00 | 33.8291 |
| 16/03/2019 04:00 | 34.0666 |
| 16/03/2019 05:00 | 34.29 |
| 16/03/2019 06:00 | 34.3477 |
| 16/03/2019 07:00 | 34.0972 |
| 16/03/2019 08:00 | 34.0126 |
| 16/03/2019 09:00 | 34.1117 |
| 16/03/2019 10:00 | 34.2491 |
| 16/03/2019 11:00 | 34.1887 |
| 16/03/2019 12:00 | 34.1478 |
| 16/03/2019 13:00 | 34.049 |
| 16/03/2019 14:00 | 34.1016 |
| 16/03/2019 15:00 | 34.0193 |
| 16/03/2019 16:00 | 34.0232 |
| 16/03/2019 17:00 | 33.9664 |
| 16/03/2019 18:00 | 33.9525 |
| 16/03/2019 19:00 | 33.7844 |
| 16/03/2019 20:00 | 34.0606 |
| 16/03/2019 21:00 | 34.0883 |
| 16/03/2019 22:00 | 33.9686 |
| 16/03/2019 23:00 | 33.8733 |
| 17/03/2019 00:00 | 33.9277 |
| 17/03/2019 01:00 | 34.165 |
| 17/03/2019 02:00 | 34.1457 |
| 17/03/2019 03:00 | 33.8833 |
| 17/03/2019 04:00 | 33.6218 |
| 17/03/2019 05:00 | 33.7287 |
| 17/03/2019 06:00 | 34.0411 |
| 17/03/2019 07:00 | 34.0037 |
| 17/03/2019 08:00 | 33.8757 |
| 17/03/2019 09:00 | 33.778 |
| 17/03/2019 10:00 | 33.7926 |
| 17/03/2019 11:00 | 33.8232 |
| 17/03/2019 12:00 | 34.0051 |
| 17/03/2019 13:00 | 33.8269 |
| 17/03/2019 14:00 | 33.8957 |
| 17/03/2019 15:00 | 33.9175 |
| 17/03/2019 16:00 | 33.7309 |
| 17/03/2019 17:00 | 33.5387 |
| 17/03/2019 18:00 | 33.5436 |
| 17/03/2019 19:00 | 33.5085 |
| 17/03/2019 20:00 | 33.5193 |
| 17/03/2019 21:00 | 33.5835 |
| 17/03/2019 22:00 | 33.6465 |
| 17/03/2019 23:00 | 33.6771 |
| 18/03/2019 00:00 | 33.6258 |
| 18/03/2019 01:00 | 33.5743 |
| 18/03/2019 02:00 | 33.4966 |
| 18/03/2019 03:00 | 33.5357 |
| 18/03/2019 04:00 | 33.5354 |
| 18/03/2019 05:00 | 33.5288 |
| 18/03/2019 06:00 | 33.5672 |
| 18/03/2019 07:00 | 33.6932 |
| 18/03/2019 08:00 | 33.6036 |
| 18/03/2019 09:00 | 33.5236 |
| 18/03/2019 10:00 | 33.5677 |
| 18/03/2019 11:00 | 33.4319 |
| 18/03/2019 12:00 | 33.5784 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 13:00 | 33.8216 |
| 18/03/2019 14:00 | 34.093 |
| 18/03/2019 15:00 | 34.0788 |
| 18/03/2019 16:00 | 34.0496 |
| 18/03/2019 17:00 | 33.9621 |
| 18/03/2019 18:00 | 33.9042 |
| 18/03/2019 19:00 | 33.8972 |
| 18/03/2019 20:00 | 33.8776 |
| 18/03/2019 21:00 | 33.9714 |
| 18/03/2019 22:00 | 34.012 |
| 18/03/2019 23:00 | 33.9591 |
| 19/03/2019 00:00 | 33.9759 |
| 19/03/2019 01:00 | 34.0301 |
| 19/03/2019 02:00 | 33.9738 |
| 19/03/2019 03:00 | 33.7932 |
| 19/03/2019 04:00 | 33.8267 |
| 19/03/2019 05:00 | 33.9854 |
| 19/03/2019 06:00 | 34.0733 |
| 19/03/2019 07:00 | 33.9895 |
| 19/03/2019 08:00 | 34.0753 |
| 19/03/2019 09:00 | 33.9836 |
| 19/03/2019 10:00 | 34.0655 |
| 19/03/2019 11:00 | 34.204 |
| 19/03/2019 12:00 | 34.4843 |
| 19/03/2019 13:00 | 34.2324 |
| 19/03/2019 14:00 | 34.3243 |
| 19/03/2019 15:00 | 34.4102 |
| 19/03/2019 16:00 | 34.3786 |
| 19/03/2019 17:00 | 34.3603 |
| 19/03/2019 18:00 | 34.2766 |
| 19/03/2019 19:00 | 34.3039 |
| 19/03/2019 20:00 | 34.2893 |
| 19/03/2019 21:00 | 34.257 |
| 19/03/2019 22:00 | 34.217 |
| 19/03/2019 23:00 | 34.1734 |
| 20/03/2019 00:00 | 34.1746 |
| 20/03/2019 01:00 | 34.1393 |
| 20/03/2019 02:00 | 34.1945 |
| 20/03/2019 03:00 | 34.2491 |
| 20/03/2019 04:00 | 34.2722 |
| 20/03/2019 05:00 | 34.1838 |
| 20/03/2019 06:00 | 34.2062 |
| 20/03/2019 07:00 | 34.1816 |
| 20/03/2019 08:00 | 34.1788 |
| 20/03/2019 09:00 | 34.1469 |
| 20/03/2019 10:00 | 34.0137 |
| 20/03/2019 11:00 | 33.9075 |
| 20/03/2019 12:00 | 33.9329 |
| 20/03/2019 13:00 | 34.0365 |
| 20/03/2019 14:00 | 34.0798 |
| 20/03/2019 15:00 | 34.0985 |
| 20/03/2019 16:00 | 34.0655 |
| 20/03/2019 17:00 | 34.0834 |
| 20/03/2019 18:00 | 34.3789 |
| 20/03/2019 19:00 | 34.1479 |
| 20/03/2019 20:00 | 34.1766 |
| 20/03/2019 21:00 | 34.1845 |
| 20/03/2019 22:00 | 34.179 |
| 20/03/2019 23:00 | 34.1977 |
| 21/03/2019 00:00 | 34.3113 |

| Fecha y Hora | Poder calorífico Prom/Hora |
|---------------------|-----------------------------------|
| 21/03/2019 01:00 | 34.2415 |
| 21/03/2019 02:00 | 34.2009 |
| 21/03/2019 03:00 | 34.1902 |
| 21/03/2019 04:00 | 34.2468 |
| 21/03/2019 05:00 | 34.1278 |
| 21/03/2019 06:00 | 34.1412 |
| 21/03/2019 07:00 | 34.083 |
| 21/03/2019 08:00 | 34.1128 |
| 21/03/2019 09:00 | 34.1053 |
| 21/03/2019 10:00 | 34.0673 |
| 21/03/2019 11:00 | 34.08 |
| 21/03/2019 12:00 | 33.9369 |
| 21/03/2019 13:00 | 33.9209 |
| 21/03/2019 14:00 | 34.156 |
| 21/03/2019 15:00 | 34.0832 |
| 21/03/2019 16:00 | 34.0483 |
| 21/03/2019 17:00 | 34.0095 |
| 21/03/2019 18:00 | 33.9537 |
| 21/03/2019 19:00 | 34.0017 |
| 21/03/2019 20:00 | 34.0321 |
| 21/03/2019 21:00 | 34.0161 |
| 21/03/2019 22:00 | 33.9461 |
| 21/03/2019 23:00 | 33.9686 |
| 22/03/2019 00:00 | 33.8102 |
| 22/03/2019 01:00 | 33.7826 |
| 22/03/2019 02:00 | 33.8373 |
| 22/03/2019 03:00 | 33.7429 |
| 22/03/2019 04:00 | 33.6751 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 35 Troncal 48" | 42.9843 |
| 16/03/2019 | CRE 35 Troncal 48" | 43.1281 |
| 17/03/2019 | CRE 35 Troncal 48" | 42.5374 |
| 18/03/2019 | CRE 35 Troncal 48" | 42.7918 |
| 19/03/2019 | CRE 35 Troncal 48" | 43.3893 |
| 20/03/2019 | CRE 35 Troncal 48" | 43.3072 |
| 21/03/2019 | CRE 35 Troncal 48" | 43.082 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 09:00 | 42.7239 |
| 15/03/2019 10:00 | 42.766 |
| 15/03/2019 11:00 | 42.7896 |
| 15/03/2019 12:00 | 42.8317 |
| 15/03/2019 13:00 | 42.7553 |
| 15/03/2019 14:00 | 43.0885 |
| 15/03/2019 15:00 | 42.9611 |
| 15/03/2019 16:00 | 42.879 |
| 15/03/2019 17:00 | 42.6965 |
| 15/03/2019 18:00 | 43.016 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 19:00 | 43.1601 |
| 15/03/2019 20:00 | 43.289 |
| 15/03/2019 21:00 | 43.2779 |
| 15/03/2019 22:00 | 43.2031 |
| 15/03/2019 23:00 | 43.2515 |
| 16/03/2019 00:00 | 43.3697 |
| 16/03/2019 01:00 | 43.3655 |
| 16/03/2019 02:00 | 43.0865 |
| 16/03/2019 03:00 | 42.7674 |
| 16/03/2019 04:00 | 43.1458 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 16/03/2019 05:00 | 42.8621 |
| 16/03/2019 06:00 | 42.8438 |
| 16/03/2019 07:00 | 42.8013 |
| 16/03/2019 08:00 | 42.6979 |
| 16/03/2019 09:00 | 43.2494 |
| 16/03/2019 10:00 | 43.4741 |
| 16/03/2019 11:00 | 43.3848 |
| 16/03/2019 12:00 | 43.3216 |
| 16/03/2019 13:00 | 43.1619 |
| 16/03/2019 14:00 | 43.2414 |
| 16/03/2019 15:00 | 43.1128 |
| 16/03/2019 16:00 | 43.1086 |
| 16/03/2019 17:00 | 43.0293 |
| 16/03/2019 18:00 | 43.0125 |
| 16/03/2019 19:00 | 42.7645 |
| 16/03/2019 20:00 | 43.197 |
| 16/03/2019 21:00 | 43.237 |
| 16/03/2019 22:00 | 42.992 |
| 16/03/2019 23:00 | 42.8318 |
| 17/03/2019 00:00 | 42.9271 |
| 17/03/2019 01:00 | 43.12 |
| 17/03/2019 02:00 | 43.2538 |
| 17/03/2019 03:00 | 42.7393 |
| 17/03/2019 04:00 | 42.5087 |
| 17/03/2019 05:00 | 43.5068 |
| 17/03/2019 06:00 | 43.6026 |
| 17/03/2019 07:00 | 43.2166 |
| 17/03/2019 08:00 | 43.0903 |
| 17/03/2019 09:00 | 42.6375 |
| 17/03/2019 10:00 | 42.6031 |
| 17/03/2019 11:00 | 42.7056 |
| 17/03/2019 12:00 | 42.8642 |
| 17/03/2019 13:00 | 42.6972 |
| 17/03/2019 14:00 | 42.7684 |
| 17/03/2019 15:00 | 42.8204 |
| 17/03/2019 16:00 | 42.5768 |
| 17/03/2019 17:00 | 42.2474 |
| 17/03/2019 18:00 | 42.2772 |
| 17/03/2019 19:00 | 42.2722 |
| 17/03/2019 20:00 | 42.2965 |
| 17/03/2019 21:00 | 42.3877 |
| 17/03/2019 22:00 | 42.4737 |
| 17/03/2019 23:00 | 42.5108 |
| 18/03/2019 00:00 | 42.4397 |
| 18/03/2019 01:00 | 42.3596 |
| 18/03/2019 02:00 | 42.2344 |
| 18/03/2019 03:00 | 42.2965 |
| 18/03/2019 04:00 | 42.2883 |
| 18/03/2019 05:00 | 42.572 |
| 18/03/2019 06:00 | 42.8968 |
| 18/03/2019 07:00 | 42.8725 |
| 18/03/2019 08:00 | 42.8004 |
| 18/03/2019 09:00 | 42.3375 |
| 18/03/2019 10:00 | 42.3969 |
| 18/03/2019 11:00 | 42.1716 |
| 18/03/2019 12:00 | 42.4157 |
| 18/03/2019 13:00 | 42.7677 |
| 18/03/2019 14:00 | 43.1563 |
| 18/03/2019 15:00 | 43.1199 |
| 18/03/2019 16:00 | 43.099 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 18/03/2019 17:00 | 42.9908 |
| 18/03/2019 18:00 | 42.9116 |
| 18/03/2019 19:00 | 42.9055 |
| 18/03/2019 20:00 | 42.8769 |
| 18/03/2019 21:00 | 43.0258 |
| 18/03/2019 22:00 | 43.0869 |
| 18/03/2019 23:00 | 43.0076 |
| 19/03/2019 00:00 | 43.0305 |
| 19/03/2019 01:00 | 43.123 |
| 19/03/2019 02:00 | 43.0322 |
| 19/03/2019 03:00 | 42.7641 |
| 19/03/2019 04:00 | 42.8271 |
| 19/03/2019 05:00 | 42.2809 |
| 19/03/2019 06:00 | 42.6801 |
| 19/03/2019 07:00 | 42.5573 |
| 19/03/2019 08:00 | 42.4499 |
| 19/03/2019 09:00 | 42.9981 |
| 19/03/2019 10:00 | 43.1338 |
| 19/03/2019 11:00 | 43.3467 |
| 19/03/2019 12:00 | 43.6579 |
| 19/03/2019 13:00 | 43.3896 |
| 19/03/2019 14:00 | 43.5796 |
| 19/03/2019 15:00 | 43.7063 |
| 19/03/2019 16:00 | 43.6192 |
| 19/03/2019 17:00 | 43.5927 |
| 19/03/2019 18:00 | 43.4814 |
| 19/03/2019 19:00 | 43.5254 |
| 19/03/2019 20:00 | 43.5417 |
| 19/03/2019 21:00 | 43.5002 |
| 19/03/2019 22:00 | 43.4389 |
| 19/03/2019 23:00 | 43.3689 |
| 20/03/2019 00:00 | 43.3747 |
| 20/03/2019 01:00 | 43.3288 |
| 20/03/2019 02:00 | 43.4099 |
| 20/03/2019 03:00 | 43.4853 |
| 20/03/2019 04:00 | 43.5248 |
| 20/03/2019 05:00 | 43.058 |
| 20/03/2019 06:00 | 43.1325 |
| 20/03/2019 07:00 | 43.011 |
| 20/03/2019 08:00 | 43.1439 |
| 20/03/2019 09:00 | 43.3489 |
| 20/03/2019 10:00 | 43.1364 |
| 20/03/2019 11:00 | 42.984 |
| 20/03/2019 12:00 | 43.017 |
| 20/03/2019 13:00 | 43.1737 |
| 20/03/2019 14:00 | 43.2353 |
| 20/03/2019 15:00 | 43.2575 |
| 20/03/2019 16:00 | 43.2075 |
| 20/03/2019 17:00 | 43.2159 |
| 20/03/2019 18:00 | 43.4859 |
| 20/03/2019 19:00 | 43.2891 |
| 20/03/2019 20:00 | 43.3281 |
| 20/03/2019 21:00 | 43.3377 |
| 20/03/2019 22:00 | 43.3361 |
| 20/03/2019 23:00 | 43.3597 |
| 21/03/2019 00:00 | 43.5073 |
| 21/03/2019 01:00 | 43.3745 |
| 21/03/2019 02:00 | 43.3506 |
| 21/03/2019 03:00 | 43.3405 |
| 21/03/2019 04:00 | 43.4683 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 21/03/2019 05:00 | 43.4207 |
| 21/03/2019 06:00 | 43.4422 |
| 21/03/2019 07:00 | 43.3871 |
| 21/03/2019 08:00 | 43.3686 |
| 21/03/2019 09:00 | 43.2595 |
| 21/03/2019 10:00 | 43.184 |
| 21/03/2019 11:00 | 43.1548 |
| 21/03/2019 12:00 | 42.9804 |
| 21/03/2019 13:00 | 42.9876 |
| 21/03/2019 14:00 | 43.359 |
| 21/03/2019 15:00 | 43.2693 |
| 21/03/2019 16:00 | 43.2073 |
| 21/03/2019 17:00 | 43.1382 |
| 21/03/2019 18:00 | 43.0663 |
| 21/03/2019 19:00 | 43.1564 |
| 21/03/2019 20:00 | 43.2125 |
| 21/03/2019 21:00 | 43.1898 |
| 21/03/2019 22:00 | 43.0811 |
| 21/03/2019 23:00 | 43.1137 |
| 22/03/2019 00:00 | 42.8447 |
| 22/03/2019 01:00 | 42.7623 |
| 22/03/2019 02:00 | 42.7656 |
| 22/03/2019 03:00 | 42.6265 |
| 22/03/2019 04:00 | 42.5498 |
| 22/03/2019 05:00 | 43.2816 |
| 22/03/2019 06:00 | 43.3002 |
| 22/03/2019 07:00 | 43.2223 |
| 22/03/2019 08:00 | 43.2638 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 38 CPG Cactus | 44.5695 |
| 16/03/2019 | CRE 38 CPG Cactus | 44.6877 |
| 17/03/2019 | CRE 38 CPG Cactus | 44.5452 |
| 18/03/2019 | CRE 38 CPG Cactus | 44.4311 |
| 19/03/2019 | CRE 38 CPG Cactus | 44.4391 |
| 20/03/2019 | CRE 38 CPG Cactus | 44.4673 |
| 21/03/2019 | CRE 38 CPG Cactus | 44.6695 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 05:00 | 44.613 |
| 15/03/2019 06:00 | 44.6097 |
| 15/03/2019 07:00 | 44.6065 |
| 15/03/2019 08:00 | 44.6011 |
| 15/03/2019 09:00 | 44.5955 |
| 15/03/2019 10:00 | 44.5804 |
| 15/03/2019 11:00 | 44.5689 |
| 15/03/2019 12:00 | 44.558 |
| 15/03/2019 13:00 | 44.5444 |
| 15/03/2019 14:00 | 44.5231 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 15:00 | 44.5053 |
| 15/03/2019 16:00 | 44.4961 |
| 15/03/2019 17:00 | 44.4912 |
| 15/03/2019 18:00 | 44.4946 |
| 15/03/2019 19:00 | 44.5167 |
| 15/03/2019 20:00 | 44.5502 |
| 15/03/2019 21:00 | 44.5765 |
| 15/03/2019 22:00 | 44.6058 |
| 15/03/2019 23:00 | 44.6139 |
| 16/03/2019 00:00 | 44.6136 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 16/03/2019 01:00 | 44.6068 |
| 16/03/2019 02:00 | 44.6008 |
| 16/03/2019 03:00 | 44.5975 |
| 16/03/2019 04:00 | 44.5992 |
| 16/03/2019 05:00 | 44.5944 |
| 16/03/2019 06:00 | 44.5777 |
| 16/03/2019 07:00 | 44.5629 |
| 16/03/2019 08:00 | 44.5615 |
| 16/03/2019 09:00 | 44.5821 |
| 16/03/2019 10:00 | 44.6192 |
| 16/03/2019 11:00 | 44.6577 |
| 16/03/2019 12:00 | 44.6945 |
| 16/03/2019 13:00 | 44.7178 |
| 16/03/2019 14:00 | 44.7281 |
| 16/03/2019 15:00 | 44.7279 |
| 16/03/2019 16:00 | 44.7306 |
| 16/03/2019 17:00 | 44.7337 |
| 16/03/2019 18:00 | 44.75 |
| 16/03/2019 19:00 | 44.7718 |
| 16/03/2019 20:00 | 44.7813 |
| 16/03/2019 21:00 | 44.7856 |
| 16/03/2019 22:00 | 44.787 |
| 16/03/2019 23:00 | 44.7791 |
| 17/03/2019 00:00 | 44.7577 |
| 17/03/2019 01:00 | 44.7114 |
| 17/03/2019 02:00 | 44.6486 |
| 17/03/2019 03:00 | 44.6226 |
| 17/03/2019 04:00 | 44.6217 |
| 17/03/2019 05:00 | 44.617 |
| 17/03/2019 06:00 | 44.6108 |
| 17/03/2019 07:00 | 44.5999 |
| 17/03/2019 08:00 | 44.5969 |
| 17/03/2019 09:00 | 44.5894 |
| 17/03/2019 10:00 | 44.5853 |
| 17/03/2019 11:00 | 44.584 |
| 17/03/2019 12:00 | 44.5843 |
| 17/03/2019 13:00 | 44.5825 |
| 17/03/2019 14:00 | 44.5775 |
| 17/03/2019 15:00 | 44.5715 |
| 17/03/2019 16:00 | 44.5624 |
| 17/03/2019 17:00 | 44.5526 |
| 17/03/2019 18:00 | 44.5411 |
| 17/03/2019 19:00 | 44.5286 |
| 17/03/2019 20:00 | 44.5166 |
| 17/03/2019 21:00 | 44.5139 |
| 17/03/2019 22:00 | 44.5067 |
| 17/03/2019 23:00 | 44.5015 |
| 18/03/2019 00:00 | 44.4921 |
| 18/03/2019 01:00 | 44.4827 |
| 18/03/2019 02:00 | 44.4682 |
| 18/03/2019 03:00 | 44.4606 |
| 18/03/2019 04:00 | 44.4592 |
| 18/03/2019 05:00 | 44.4654 |
| 18/03/2019 06:00 | 44.474 |
| 18/03/2019 07:00 | 44.4799 |
| 18/03/2019 08:00 | 44.4868 |
| 18/03/2019 09:00 | 44.486 |
| 18/03/2019 10:00 | 44.4809 |
| 18/03/2019 11:00 | 44.4656 |
| 18/03/2019 12:00 | 44.4545 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 18/03/2019 13:00 | 44.4376 |
| 18/03/2019 14:00 | 44.4263 |
| 18/03/2019 15:00 | 44.4196 |
| 18/03/2019 16:00 | 44.4165 |
| 18/03/2019 17:00 | 44.4132 |
| 18/03/2019 18:00 | 44.4121 |
| 18/03/2019 19:00 | 44.4106 |
| 18/03/2019 20:00 | 44.4022 |
| 18/03/2019 21:00 | 44.3959 |
| 18/03/2019 22:00 | 44.3912 |
| 18/03/2019 23:00 | 44.3891 |
| 19/03/2019 00:00 | 44.3897 |
| 19/03/2019 01:00 | 44.3954 |
| 19/03/2019 02:00 | 44.4065 |
| 19/03/2019 03:00 | 44.418 |
| 19/03/2019 04:00 | 44.4289 |
| 19/03/2019 05:00 | 44.4332 |
| 19/03/2019 06:00 | 44.4324 |
| 19/03/2019 07:00 | 44.4302 |
| 19/03/2019 08:00 | 44.4346 |
| 19/03/2019 09:00 | 44.4404 |
| 19/03/2019 10:00 | 44.4554 |
| 19/03/2019 11:00 | 44.4717 |
| 19/03/2019 12:00 | 44.4837 |
| 19/03/2019 13:00 | 44.4899 |
| 19/03/2019 14:00 | 44.4876 |
| 19/03/2019 15:00 | 44.4696 |
| 19/03/2019 16:00 | 44.4449 |
| 19/03/2019 17:00 | 44.4251 |
| 19/03/2019 18:00 | 44.4162 |
| 19/03/2019 19:00 | 44.4107 |
| 19/03/2019 20:00 | 44.4075 |
| 19/03/2019 21:00 | 44.4119 |
| 19/03/2019 22:00 | 44.4151 |
| 19/03/2019 23:00 | 44.4207 |
| 20/03/2019 00:00 | 44.4268 |
| 20/03/2019 01:00 | 44.4317 |
| 20/03/2019 02:00 | 44.4326 |
| 20/03/2019 03:00 | 44.4334 |
| 20/03/2019 04:00 | 44.4327 |
| 20/03/2019 05:00 | 44.4299 |
| 20/03/2019 06:00 | 44.4305 |
| 20/03/2019 07:00 | 44.427 |
| 20/03/2019 08:00 | 44.4333 |
| 20/03/2019 09:00 | 44.4418 |
| 20/03/2019 10:00 | 44.4448 |
| 20/03/2019 11:00 | 44.4484 |
| 20/03/2019 12:00 | 44.4553 |
| 20/03/2019 13:00 | 44.4645 |
| 20/03/2019 14:00 | 44.4691 |
| 20/03/2019 15:00 | 44.4813 |
| 20/03/2019 16:00 | 44.4965 |
| 20/03/2019 17:00 | 44.5231 |
| 20/03/2019 18:00 | 44.5493 |
| 20/03/2019 19:00 | 44.5662 |
| 20/03/2019 20:00 | 44.5642 |
| 20/03/2019 21:00 | 44.55 |
| 20/03/2019 22:00 | 44.5175 |
| 20/03/2019 23:00 | 44.4899 |
| 21/03/2019 00:00 | 44.4497 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 21/03/2019 01:00 | 44.4185 |
| 21/03/2019 02:00 | 44.3923 |
| 21/03/2019 03:00 | 44.3807 |
| 21/03/2019 04:00 | 44.391 |
| 21/03/2019 05:00 | 44.4174 |
| 21/03/2019 06:00 | 44.4786 |
| 21/03/2019 07:00 | 44.5296 |
| 21/03/2019 08:00 | 44.5683 |
| 21/03/2019 09:00 | 44.6102 |
| 21/03/2019 10:00 | 44.6368 |
| 21/03/2019 11:00 | 44.6485 |
| 21/03/2019 12:00 | 44.6521 |
| 21/03/2019 13:00 | 44.6588 |
| 21/03/2019 14:00 | 44.6608 |
| 21/03/2019 15:00 | 44.6674 |
| 21/03/2019 16:00 | 44.6761 |
| 21/03/2019 17:00 | 44.6886 |
| 21/03/2019 18:00 | 44.6999 |
| 21/03/2019 19:00 | 44.7097 |
| 21/03/2019 20:00 | 44.7174 |
| 21/03/2019 21:00 | 44.7124 |
| 21/03/2019 22:00 | 44.721 |
| 21/03/2019 23:00 | 44.7404 |
| 22/03/2019 00:00 | 44.7625 |
| 22/03/2019 01:00 | 44.778 |
| 22/03/2019 02:00 | 44.788 |
| 22/03/2019 03:00 | 44.7866 |
| 22/03/2019 04:00 | 44.7613 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 39 KM-100 | 44.5641 |
| 16/03/2019 | CRE 39 KM-100 | 44.6933 |
| 17/03/2019 | CRE 39 KM-100 | 44.5238 |
| 18/03/2019 | CRE 39 KM-100 | 44.4238 |
| 19/03/2019 | CRE 39 KM-100 | 44.4387 |
| 20/03/2019 | CRE 39 KM-100 | 44.4787 |
| 21/03/2019 | CRE 39 KM-100 | 44.7069 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 09:00 | 44.5956 |
| 15/03/2019 10:00 | 44.5805 |
| 15/03/2019 11:00 | 44.569 |
| 15/03/2019 12:00 | 44.5582 |
| 15/03/2019 13:00 | 44.5446 |
| 15/03/2019 14:00 | 44.5233 |
| 15/03/2019 15:00 | 44.5055 |
| 15/03/2019 16:00 | 44.4963 |
| 15/03/2019 17:00 | 44.4914 |
| 15/03/2019 18:00 | 44.4948 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 19:00 | 44.5169 |
| 15/03/2019 20:00 | 44.5504 |
| 15/03/2019 21:00 | 44.5766 |
| 15/03/2019 22:00 | 44.606 |
| 15/03/2019 23:00 | 44.6141 |
| 16/03/2019 00:00 | 44.6138 |
| 16/03/2019 01:00 | 44.607 |
| 16/03/2019 02:00 | 44.601 |
| 16/03/2019 03:00 | 44.5976 |
| 16/03/2019 04:00 | 44.5994 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 16/03/2019 05:00 | 44.5946 |
| 16/03/2019 06:00 | 44.5778 |
| 16/03/2019 07:00 | 44.5631 |
| 16/03/2019 08:00 | 44.5617 |
| 16/03/2019 09:00 | 44.5823 |
| 16/03/2019 10:00 | 44.6194 |
| 16/03/2019 11:00 | 44.6579 |
| 16/03/2019 12:00 | 44.6947 |
| 16/03/2019 13:00 | 44.7181 |
| 16/03/2019 14:00 | 44.7284 |
| 16/03/2019 15:00 | 44.7282 |
| 16/03/2019 16:00 | 44.731 |
| 16/03/2019 17:00 | 44.734 |
| 16/03/2019 18:00 | 44.7503 |
| 16/03/2019 19:00 | 44.7722 |
| 16/03/2019 20:00 | 44.7816 |
| 16/03/2019 21:00 | 44.7859 |
| 16/03/2019 22:00 | 44.7873 |
| 16/03/2019 23:00 | 44.7794 |
| 17/03/2019 00:00 | 44.758 |
| 17/03/2019 01:00 | 44.7118 |
| 17/03/2019 02:00 | 44.649 |
| 17/03/2019 03:00 | 44.6229 |
| 17/03/2019 04:00 | 44.622 |
| 17/03/2019 05:00 | 44.6173 |
| 17/03/2019 06:00 | 44.6111 |
| 17/03/2019 07:00 | 44.6002 |
| 17/03/2019 08:00 | 44.5971 |
| 17/03/2019 09:00 | 44.5897 |
| 17/03/2019 10:00 | 44.5855 |
| 17/03/2019 11:00 | 44.5842 |
| 17/03/2019 12:00 | 44.5845 |
| 17/03/2019 13:00 | 44.5827 |
| 17/03/2019 14:00 | 44.5776 |
| 17/03/2019 15:00 | 44.5717 |
| 17/03/2019 16:00 | 44.5626 |
| 17/03/2019 17:00 | 44.5528 |
| 17/03/2019 18:00 | 44.5412 |
| 17/03/2019 19:00 | 44.5288 |
| 17/03/2019 20:00 | 44.5167 |
| 17/03/2019 21:00 | 44.514 |
| 17/03/2019 22:00 | 44.5069 |
| 17/03/2019 23:00 | 44.5016 |
| 18/03/2019 00:00 | 44.4922 |
| 18/03/2019 01:00 | 44.4828 |
| 18/03/2019 02:00 | 44.4683 |
| 18/03/2019 03:00 | 44.4607 |
| 18/03/2019 04:00 | 44.4593 |
| 18/03/2019 05:00 | 44.4655 |
| 18/03/2019 06:00 | 44.4741 |
| 18/03/2019 07:00 | 44.48 |
| 18/03/2019 08:00 | 44.4869 |
| 18/03/2019 09:00 | 44.4861 |
| 18/03/2019 10:00 | 44.481 |
| 18/03/2019 11:00 | 44.4656 |
| 18/03/2019 12:00 | 44.4546 |
| 18/03/2019 13:00 | 44.4377 |
| 18/03/2019 14:00 | 44.4264 |
| 18/03/2019 15:00 | 44.4197 |
| 18/03/2019 16:00 | 44.4166 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 18/03/2019 17:00 | 44.4133 |
| 18/03/2019 18:00 | 44.4121 |
| 18/03/2019 19:00 | 44.4107 |
| 18/03/2019 20:00 | 44.4023 |
| 18/03/2019 21:00 | 44.3959 |
| 18/03/2019 22:00 | 44.3912 |
| 18/03/2019 23:00 | 44.3892 |
| 19/03/2019 00:00 | 44.3897 |
| 19/03/2019 01:00 | 44.3954 |
| 19/03/2019 02:00 | 44.4066 |
| 19/03/2019 03:00 | 44.4181 |
| 19/03/2019 04:00 | 44.429 |
| 19/03/2019 05:00 | 44.4333 |
| 19/03/2019 06:00 | 44.4325 |
| 19/03/2019 07:00 | 44.4303 |
| 19/03/2019 08:00 | 44.4347 |
| 19/03/2019 09:00 | 44.4405 |
| 19/03/2019 10:00 | 44.4554 |
| 19/03/2019 11:00 | 44.4718 |
| 19/03/2019 12:00 | 44.4838 |
| 19/03/2019 13:00 | 44.49 |
| 19/03/2019 14:00 | 44.4877 |
| 19/03/2019 15:00 | 44.4696 |
| 19/03/2019 16:00 | 44.445 |
| 19/03/2019 17:00 | 44.4251 |
| 19/03/2019 18:00 | 44.4163 |
| 19/03/2019 19:00 | 44.4107 |
| 19/03/2019 20:00 | 44.4076 |
| 19/03/2019 21:00 | 44.4119 |
| 19/03/2019 22:00 | 44.4152 |
| 19/03/2019 23:00 | 44.4207 |
| 20/03/2019 00:00 | 44.4269 |
| 20/03/2019 01:00 | 44.4318 |
| 20/03/2019 02:00 | 44.4327 |
| 20/03/2019 03:00 | 44.4335 |
| 20/03/2019 04:00 | 44.4328 |
| 20/03/2019 05:00 | 44.43 |
| 20/03/2019 06:00 | 44.4306 |
| 20/03/2019 07:00 | 44.4271 |
| 20/03/2019 08:00 | 44.4334 |
| 20/03/2019 09:00 | 44.4419 |
| 20/03/2019 10:00 | 44.4449 |
| 20/03/2019 11:00 | 44.4485 |
| 20/03/2019 12:00 | 44.4554 |
| 20/03/2019 13:00 | 44.4646 |
| 20/03/2019 14:00 | 44.4691 |
| 20/03/2019 15:00 | 44.4813 |
| 20/03/2019 16:00 | 44.4966 |
| 20/03/2019 17:00 | 44.5231 |
| 20/03/2019 18:00 | 44.5494 |
| 20/03/2019 19:00 | 44.5662 |
| 20/03/2019 20:00 | 44.5643 |
| 20/03/2019 21:00 | 44.5501 |
| 20/03/2019 22:00 | 44.5175 |
| 20/03/2019 23:00 | 44.49 |
| 21/03/2019 00:00 | 44.4498 |
| 21/03/2019 01:00 | 44.4185 |
| 21/03/2019 02:00 | 44.3924 |
| 21/03/2019 03:00 | 44.3807 |
| 21/03/2019 04:00 | 44.391 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 21/03/2019 05:00 | 44.4175 |
| 21/03/2019 06:00 | 44.4786 |
| 21/03/2019 07:00 | 44.5297 |
| 21/03/2019 08:00 | 44.5684 |
| 21/03/2019 09:00 | 44.6103 |
| 21/03/2019 10:00 | 44.6368 |
| 21/03/2019 11:00 | 44.6485 |
| 21/03/2019 12:00 | 44.6522 |
| 21/03/2019 13:00 | 44.6588 |
| 21/03/2019 14:00 | 44.6608 |
| 21/03/2019 15:00 | 44.6675 |
| 21/03/2019 16:00 | 44.6761 |
| 21/03/2019 17:00 | 44.6887 |
| 21/03/2019 18:00 | 44.6999 |
| 21/03/2019 19:00 | 44.7098 |
| 21/03/2019 20:00 | 44.7175 |
| 21/03/2019 21:00 | 44.7124 |
| 21/03/2019 22:00 | 44.7211 |
| 21/03/2019 23:00 | 44.7404 |
| 22/03/2019 00:00 | 44.7626 |
| 22/03/2019 01:00 | 44.7781 |
| 22/03/2019 02:00 | 44.7881 |
| 22/03/2019 03:00 | 44.7867 |
| 22/03/2019 04:00 | 44.7614 |
| 22/03/2019 05:00 | 44.7486 |
| 22/03/2019 06:00 | 44.7289 |
| 22/03/2019 07:00 | 44.7171 |
| 22/03/2019 08:00 | 44.6949 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 40 CPG Nuevo Pemex | 42.966 |
| 16/03/2019 | CRE 40 CPG Nuevo Pemex | 43.1109 |
| 17/03/2019 | CRE 40 CPG Nuevo Pemex | 42.5129 |
| 18/03/2019 | CRE 40 CPG Nuevo Pemex | 42.7585 |
| 19/03/2019 | CRE 40 CPG Nuevo Pemex | 43.3803 |
| 20/03/2019 | CRE 40 CPG Nuevo Pemex | 43.2961 |
| 21/03/2019 | CRE 40 CPG Nuevo Pemex | 43.0638 |

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

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 05:00 | 42.8408 |
| 15/03/2019 06:00 | 42.8219 |
| 15/03/2019 07:00 | 42.7809 |
| 15/03/2019 08:00 | 42.6752 |
| 15/03/2019 09:00 | 42.7004 |
| 15/03/2019 10:00 | 42.7436 |
| 15/03/2019 11:00 | 42.7687 |
| 15/03/2019 12:00 | 42.8108 |
| 15/03/2019 13:00 | 42.7329 |
| 15/03/2019 14:00 | 43.0728 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 15/03/2019 15:00 | 42.9429 |
| 15/03/2019 16:00 | 42.8586 |
| 15/03/2019 17:00 | 42.674 |
| 15/03/2019 18:00 | 42.999 |
| 15/03/2019 19:00 | 43.1462 |
| 15/03/2019 20:00 | 43.2763 |
| 15/03/2019 21:00 | 43.2644 |
| 15/03/2019 22:00 | 43.188 |
| 15/03/2019 23:00 | 43.2374 |
| 16/03/2019 00:00 | 43.3577 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 16/03/2019 01:00 | 43.353 |
| 16/03/2019 02:00 | 43.0693 |
| 16/03/2019 03:00 | 42.7444 |
| 16/03/2019 04:00 | 43.1298 |
| 16/03/2019 05:00 | 43.4987 |
| 16/03/2019 06:00 | 43.5953 |
| 16/03/2019 07:00 | 43.2033 |
| 16/03/2019 08:00 | 43.0751 |
| 16/03/2019 09:00 | 43.2357 |
| 16/03/2019 10:00 | 43.4646 |
| 16/03/2019 11:00 | 43.3713 |
| 16/03/2019 12:00 | 43.3083 |
| 16/03/2019 13:00 | 43.1454 |
| 16/03/2019 14:00 | 43.2252 |
| 16/03/2019 15:00 | 43.0939 |
| 16/03/2019 16:00 | 43.091 |
| 16/03/2019 17:00 | 43.0094 |
| 16/03/2019 18:00 | 42.9914 |
| 16/03/2019 19:00 | 42.7407 |
| 16/03/2019 20:00 | 43.1786 |
| 16/03/2019 21:00 | 43.2196 |
| 16/03/2019 22:00 | 42.9698 |
| 16/03/2019 23:00 | 42.8084 |
| 17/03/2019 00:00 | 42.9043 |
| 17/03/2019 01:00 | 43.104 |
| 17/03/2019 02:00 | 43.2401 |
| 17/03/2019 03:00 | 42.7161 |
| 17/03/2019 04:00 | 42.4819 |
| 17/03/2019 05:00 | 42.5462 |
| 17/03/2019 06:00 | 42.8787 |
| 17/03/2019 07:00 | 42.8535 |
| 17/03/2019 08:00 | 42.7788 |
| 17/03/2019 09:00 | 42.613 |
| 17/03/2019 10:00 | 42.5796 |
| 17/03/2019 11:00 | 42.6831 |
| 17/03/2019 12:00 | 42.8459 |
| 17/03/2019 13:00 | 42.6745 |
| 17/03/2019 14:00 | 42.7457 |
| 17/03/2019 15:00 | 42.7998 |
| 17/03/2019 16:00 | 42.5533 |
| 17/03/2019 17:00 | 42.2184 |
| 17/03/2019 18:00 | 42.2473 |
| 17/03/2019 19:00 | 42.2439 |
| 17/03/2019 20:00 | 42.2691 |
| 17/03/2019 21:00 | 42.3621 |
| 17/03/2019 22:00 | 42.4478 |
| 17/03/2019 23:00 | 42.4874 |
| 18/03/2019 00:00 | 42.4151 |
| 18/03/2019 01:00 | 42.3321 |
| 18/03/2019 02:00 | 42.2052 |
| 18/03/2019 03:00 | 42.2699 |
| 18/03/2019 04:00 | 42.2602 |
| 18/03/2019 05:00 | 42.2524 |
| 18/03/2019 06:00 | 42.3274 |
| 18/03/2019 07:00 | 42.5341 |
| 18/03/2019 08:00 | 42.4232 |
| 18/03/2019 09:00 | 42.3098 |
| 18/03/2019 10:00 | 42.3695 |
| 18/03/2019 11:00 | 42.1389 |
| 18/03/2019 12:00 | 42.3889 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|------------------|------------------------|
| 18/03/2019 13:00 | 42.7481 |
| 18/03/2019 14:00 | 43.1447 |
| 18/03/2019 15:00 | 43.1062 |
| 18/03/2019 16:00 | 43.0845 |
| 18/03/2019 17:00 | 42.975 |
| 18/03/2019 18:00 | 42.8941 |
| 18/03/2019 19:00 | 42.8895 |
| 18/03/2019 20:00 | 42.8589 |
| 18/03/2019 21:00 | 43.0121 |
| 18/03/2019 22:00 | 43.0721 |
| 18/03/2019 23:00 | 42.9922 |
| 19/03/2019 00:00 | 43.0149 |
| 19/03/2019 01:00 | 43.1095 |
| 19/03/2019 02:00 | 43.0172 |
| 19/03/2019 03:00 | 42.745 |
| 19/03/2019 04:00 | 42.8089 |
| 19/03/2019 05:00 | 43.0427 |
| 19/03/2019 06:00 | 43.1198 |
| 19/03/2019 07:00 | 42.9969 |
| 19/03/2019 08:00 | 43.1311 |
| 19/03/2019 09:00 | 42.9822 |
| 19/03/2019 10:00 | 43.1212 |
| 19/03/2019 11:00 | 43.3374 |
| 19/03/2019 12:00 | 43.6537 |
| 19/03/2019 13:00 | 43.3807 |
| 19/03/2019 14:00 | 43.5722 |
| 19/03/2019 15:00 | 43.7035 |
| 19/03/2019 16:00 | 43.6152 |
| 19/03/2019 17:00 | 43.5886 |
| 19/03/2019 18:00 | 43.4739 |
| 19/03/2019 19:00 | 43.5185 |
| 19/03/2019 20:00 | 43.5352 |
| 19/03/2019 21:00 | 43.4943 |
| 19/03/2019 22:00 | 43.4308 |
| 19/03/2019 23:00 | 43.3588 |
| 20/03/2019 00:00 | 43.365 |
| 20/03/2019 01:00 | 43.3172 |
| 20/03/2019 02:00 | 43.4003 |
| 20/03/2019 03:00 | 43.4771 |
| 20/03/2019 04:00 | 43.5178 |
| 20/03/2019 05:00 | 43.4112 |
| 20/03/2019 06:00 | 43.4331 |
| 20/03/2019 07:00 | 43.3791 |
| 20/03/2019 08:00 | 43.3587 |
| 20/03/2019 09:00 | 43.3383 |
| 20/03/2019 10:00 | 43.1222 |
| 20/03/2019 11:00 | 42.9672 |
| 20/03/2019 12:00 | 43.0003 |
| 20/03/2019 13:00 | 43.1597 |
| 20/03/2019 14:00 | 43.2227 |
| 20/03/2019 15:00 | 43.2447 |
| 20/03/2019 16:00 | 43.1932 |
| 20/03/2019 17:00 | 43.2022 |
| 20/03/2019 18:00 | 43.4792 |
| 20/03/2019 19:00 | 43.2755 |
| 20/03/2019 20:00 | 43.3151 |
| 20/03/2019 21:00 | 43.3261 |
| 20/03/2019 22:00 | 43.3255 |
| 20/03/2019 23:00 | 43.3494 |
| 21/03/2019 00:00 | 43.5001 |

| Fecha y Hora | Índice Wobbe Prom/Hora |
|---------------------|-------------------------------|
| 21/03/2019 01:00 | 43.3669 |
| 21/03/2019 02:00 | 43.3427 |
| 21/03/2019 03:00 | 43.3324 |
| 21/03/2019 04:00 | 43.4613 |
| 21/03/2019 05:00 | 43.2717 |
| 21/03/2019 06:00 | 43.2892 |
| 21/03/2019 07:00 | 43.2081 |
| 21/03/2019 08:00 | 43.2504 |
| 21/03/2019 09:00 | 43.2449 |
| 21/03/2019 10:00 | 43.1679 |
| 21/03/2019 11:00 | 43.1383 |
| 21/03/2019 12:00 | 42.963 |
| 21/03/2019 13:00 | 42.9671 |
| 21/03/2019 14:00 | 43.3453 |
| 21/03/2019 15:00 | 43.2538 |
| 21/03/2019 16:00 | 43.1919 |
| 21/03/2019 17:00 | 43.1206 |
| 21/03/2019 18:00 | 43.0466 |
| 21/03/2019 19:00 | 43.138 |
| 21/03/2019 20:00 | 43.1951 |
| 21/03/2019 21:00 | 43.1718 |
| 21/03/2019 22:00 | 43.0626 |
| 21/03/2019 23:00 | 43.0936 |
| 22/03/2019 00:00 | 42.8214 |
| 22/03/2019 01:00 | 42.7365 |
| 22/03/2019 02:00 | 42.7399 |
| 22/03/2019 03:00 | 42.6002 |
| 22/03/2019 04:00 | 42.5208 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|-------------------------|---|------------------|
| 15/03/2019 | CRE 34 Caseta General Pajaritos | 46.7169 |
| 16/03/2019 | CRE 34 Caseta General Pajaritos | 46.7765 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Índice Wobbe

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 47 Pajaritos (Criogénica) | 46.7169 |
| 16/03/2019 | CRE 47 Pajaritos (Criogénica) | 46.7765 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR

Temperatura de rocío de hidrocarburos

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 50 Playuela | 311.0003 |
| 16/03/2019 | CRE 50 Playuela | 306.7648 |
| 17/03/2019 | CRE 50 Playuela | 309.959 |
| 18/03/2019 | CRE 50 Playuela | 310.6827 |
| 19/03/2019 | CRE 50 Playuela | 310.3863 |
| 20/03/2019 | CRE 50 Playuela | 311.1786 |
| 21/03/2019 | CRE 50 Playuela | 309.3008 |

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 |
|------------------|---|
| 15/03/2019 05:00 | 304.519 |
| 15/03/2019 06:00 | 304.3416 |
| 15/03/2019 07:00 | 304.7945 |
| 15/03/2019 08:00 | 309.7314 |
| 15/03/2019 09:00 | 314.3853 |
| 15/03/2019 10:00 | 316.6718 |
| 15/03/2019 11:00 | 314.9039 |
| 15/03/2019 12:00 | 314.4973 |
| 15/03/2019 13:00 | 314.8132 |
| 15/03/2019 14:00 | 314.7502 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 15/03/2019 15:00 | 314.7021 |
| 15/03/2019 16:00 | 314.179 |
| 15/03/2019 17:00 | 313.2843 |
| 15/03/2019 18:00 | 311.109 |
| 15/03/2019 19:00 | 309.9723 |
| 15/03/2019 20:00 | 308.8956 |
| 15/03/2019 21:00 | 308.4905 |
| 15/03/2019 22:00 | 308.9754 |
| 15/03/2019 23:00 | 309.9974 |
| 16/03/2019 00:00 | 310.352 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 16/03/2019 01:00 | 310.3869 |
| 16/03/2019 02:00 | 310.3817 |
| 16/03/2019 03:00 | 310.05 |
| 16/03/2019 04:00 | 309.8237 |
| 16/03/2019 05:00 | 309.6804 |
| 16/03/2019 06:00 | 308.4987 |
| 16/03/2019 07:00 | 307.0424 |
| 16/03/2019 08:00 | 307.5982 |
| 16/03/2019 09:00 | 308.2731 |
| 16/03/2019 10:00 | 308.4611 |
| 16/03/2019 11:00 | 308.3911 |
| 16/03/2019 12:00 | 308.1992 |
| 16/03/2019 13:00 | 308.2678 |
| 16/03/2019 14:00 | 308.4195 |
| 16/03/2019 15:00 | 307.2021 |
| 16/03/2019 16:00 | 306.1471 |
| 16/03/2019 17:00 | 305.2031 |
| 16/03/2019 18:00 | 304.738 |
| 16/03/2019 19:00 | 305.4596 |
| 16/03/2019 20:00 | 305.6411 |
| 16/03/2019 21:00 | 305.7935 |
| 16/03/2019 22:00 | 305.8832 |
| 16/03/2019 23:00 | 305.7046 |
| 17/03/2019 00:00 | 305.8034 |
| 17/03/2019 01:00 | 305.6346 |
| 17/03/2019 02:00 | 305.3763 |
| 17/03/2019 03:00 | 305.5646 |
| 17/03/2019 04:00 | 305.3724 |
| 17/03/2019 05:00 | 305.4498 |
| 17/03/2019 06:00 | 306.9155 |
| 17/03/2019 07:00 | 308.734 |
| 17/03/2019 08:00 | 310.0378 |
| 17/03/2019 09:00 | 311.2567 |
| 17/03/2019 10:00 | 312.7922 |
| 17/03/2019 11:00 | 313.7755 |
| 17/03/2019 12:00 | 314.668 |
| 17/03/2019 13:00 | 314.8492 |
| 17/03/2019 14:00 | 311.6599 |
| 17/03/2019 15:00 | 311.1132 |
| 17/03/2019 16:00 | 309.7301 |
| 17/03/2019 17:00 | 308.9638 |
| 17/03/2019 18:00 | 308.3186 |
| 17/03/2019 19:00 | 307.8094 |
| 17/03/2019 20:00 | 307.7242 |
| 17/03/2019 21:00 | 307.7751 |
| 17/03/2019 22:00 | 308.3537 |
| 17/03/2019 23:00 | 309.0432 |
| 18/03/2019 00:00 | 309.5156 |
| 18/03/2019 01:00 | 310.0191 |
| 18/03/2019 02:00 | 310.2192 |
| 18/03/2019 03:00 | 310.2531 |
| 18/03/2019 04:00 | 310.0393 |
| 18/03/2019 05:00 | 310.0143 |
| 18/03/2019 06:00 | 310.0252 |
| 18/03/2019 07:00 | 310.1369 |
| 18/03/2019 08:00 | 310.3911 |
| 18/03/2019 09:00 | 311.3748 |
| 18/03/2019 10:00 | 310.9437 |
| 18/03/2019 11:00 | 312.1932 |
| 18/03/2019 12:00 | 312.4304 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|------------------|---|
| 18/03/2019 13:00 | 314.0426 |
| 18/03/2019 14:00 | 314.389 |
| 18/03/2019 15:00 | 314.4743 |
| 18/03/2019 16:00 | 314.0148 |
| 18/03/2019 17:00 | 312.402 |
| 18/03/2019 18:00 | 310.2037 |
| 18/03/2019 19:00 | 308.0702 |
| 18/03/2019 20:00 | 306.7569 |
| 18/03/2019 21:00 | 306.0983 |
| 18/03/2019 22:00 | 306.6875 |
| 18/03/2019 23:00 | 308.3657 |
| 19/03/2019 00:00 | 309.9685 |
| 19/03/2019 01:00 | 310.6646 |
| 19/03/2019 02:00 | 310.7227 |
| 19/03/2019 03:00 | 310.9522 |
| 19/03/2019 04:00 | 311.063 |
| 19/03/2019 05:00 | 311.1583 |
| 19/03/2019 06:00 | 311.2719 |
| 19/03/2019 07:00 | 311.1688 |
| 19/03/2019 08:00 | 310.9103 |
| 19/03/2019 09:00 | 311.4559 |
| 19/03/2019 10:00 | 312.6674 |
| 19/03/2019 11:00 | 313.4033 |
| 19/03/2019 12:00 | 313.6023 |
| 19/03/2019 13:00 | 313.9904 |
| 19/03/2019 14:00 | 314.3975 |
| 19/03/2019 15:00 | 313.3951 |
| 19/03/2019 16:00 | 312.1386 |
| 19/03/2019 17:00 | 310.3312 |
| 19/03/2019 18:00 | 308.6032 |
| 19/03/2019 19:00 | 307.502 |
| 19/03/2019 20:00 | 306.7681 |
| 19/03/2019 21:00 | 306.1978 |
| 19/03/2019 22:00 | 306.048 |
| 19/03/2019 23:00 | 306.7997 |
| 20/03/2019 00:00 | 307.6699 |
| 20/03/2019 01:00 | 309.3089 |
| 20/03/2019 02:00 | 309.8824 |
| 20/03/2019 03:00 | 310.2534 |
| 20/03/2019 04:00 | 310.3474 |
| 20/03/2019 05:00 | 310.5121 |
| 20/03/2019 06:00 | 310.8954 |
| 20/03/2019 07:00 | 311.1913 |
| 20/03/2019 08:00 | 311.6397 |
| 20/03/2019 09:00 | 311.9153 |
| 20/03/2019 10:00 | 312.6787 |
| 20/03/2019 11:00 | 313.7401 |
| 20/03/2019 12:00 | 314.7249 |
| 20/03/2019 13:00 | 315.2355 |
| 20/03/2019 14:00 | 315.4619 |
| 20/03/2019 15:00 | 314.841 |
| 20/03/2019 16:00 | 313.941 |
| 20/03/2019 17:00 | 313.0202 |
| 20/03/2019 18:00 | 311.4857 |
| 20/03/2019 19:00 | 310.5353 |
| 20/03/2019 20:00 | 310.1664 |
| 20/03/2019 21:00 | 309.9807 |
| 20/03/2019 22:00 | 308.7552 |
| 20/03/2019 23:00 | 308.5438 |
| 21/03/2019 00:00 | 308.1726 |

| Fecha y Hora | Temperatura de rocío de hidrocarburos Prom/Hora |
|---------------------|--|
| 21/03/2019 01:00 | 307.9641 |
| 21/03/2019 02:00 | 307.646 |
| 21/03/2019 03:00 | 307.41 |
| 21/03/2019 04:00 | 307.8283 |
| 21/03/2019 05:00 | 308.1647 |
| 21/03/2019 06:00 | 308.5942 |
| 21/03/2019 07:00 | 309.047 |
| 21/03/2019 08:00 | 309.9196 |
| 21/03/2019 09:00 | 311.1799 |
| 21/03/2019 10:00 | 312.524 |
| 21/03/2019 11:00 | 314.6688 |
| 21/03/2019 12:00 | 315.0083 |
| 21/03/2019 13:00 | 315.2133 |
| 21/03/2019 14:00 | 313.7581 |
| 21/03/2019 15:00 | 312.2437 |
| 21/03/2019 16:00 | 309.8577 |
| 21/03/2019 17:00 | 308.9721 |
| 21/03/2019 18:00 | 308.0645 |
| 21/03/2019 19:00 | 307.1431 |
| 21/03/2019 20:00 | 306.5865 |
| 21/03/2019 21:00 | 306.227 |
| 21/03/2019 22:00 | 306.2465 |
| 21/03/2019 23:00 | 306.6615 |
| 22/03/2019 00:00 | 306.6597 |
| 22/03/2019 01:00 | 306.6704 |
| 22/03/2019 02:00 | 306.4719 |
| 22/03/2019 03:00 | 306.6589 |
| 22/03/2019 04:00 | 306.6784 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 17/03/2019 | CRE 35 Troncal 48" | 82.8864 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 17/03/2019 09:00 | 83.039 |
| 17/03/2019 10:00 | 82.7208 |
| 17/03/2019 11:00 | 83.1548 |
| 17/03/2019 12:00 | 82.776 |
| 17/03/2019 13:00 | 83.0612 |
| 17/03/2019 14:00 | 82.9952 |
| 17/03/2019 15:00 | 83.1652 |
| 17/03/2019 16:00 | 83.044 |
| 17/03/2019 17:00 | 82.4048 |
| 17/03/2019 18:00 | 82.551 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 17/03/2019 19:00 | 82.7847 |
| 17/03/2019 20:00 | 82.8637 |
| 17/03/2019 21:00 | 82.9567 |
| 17/03/2019 22:00 | 83.0188 |
| 17/03/2019 23:00 | 83.0407 |
| 18/03/2019 00:00 | 82.9767 |
| 18/03/2019 01:00 | 82.844 |
| 18/03/2019 02:00 | 82.6348 |
| 18/03/2019 03:00 | 82.7407 |
| 18/03/2019 04:00 | 82.6878 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-----------------------------|
| 18/03/2019 05:00 | 82.9722 |
| 18/03/2019 06:00 | 82.6792 |
| 18/03/2019 07:00 | 82.831 |
| 18/03/2019 08:00 | 83.331 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógen o (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|---|---|------------------|
| 16/03/2019 | CRE 39 KM-100 | 82.8989 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|---------------------|
| 16/03/2019 09:00 | 83.7562 |
| 16/03/2019 10:00 | 83.529 |
| 16/03/2019 11:00 | 83.3344 |
| 16/03/2019 12:00 | 83.1546 |
| 16/03/2019 13:00 | 83.0455 |
| 16/03/2019 14:00 | 82.9699 |
| 16/03/2019 15:00 | 82.9285 |
| 16/03/2019 16:00 | 82.8941 |
| 16/03/2019 17:00 | 82.8767 |
| 16/03/2019 18:00 | 82.8134 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|---------------------|
| 16/03/2019 19:00 | 82.7752 |
| 16/03/2019 20:00 | 82.781 |
| 16/03/2019 21:00 | 82.7681 |
| 16/03/2019 22:00 | 82.7607 |
| 16/03/2019 23:00 | 82.7784 |
| 17/03/2019 00:00 | 82.7571 |
| 17/03/2019 01:00 | 82.7126 |
| 17/03/2019 02:00 | 82.6151 |
| 17/03/2019 03:00 | 82.5181 |
| 17/03/2019 04:00 | 82.5077 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-----------------------------|
| 17/03/2019 05:00 | 82.6258 |
| 17/03/2019 06:00 | 82.7468 |
| 17/03/2019 07:00 | 82.8929 |
| 17/03/2019 08:00 | 83.0326 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 17/03/2019 | CRE 40 CPG Nuevo Pemex | 82.8717 |

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

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 17/03/2019 05:00 | 82.978 |
| 17/03/2019 06:00 | 82.6788 |
| 17/03/2019 07:00 | 82.8296 |
| 17/03/2019 08:00 | 83.3354 |
| 17/03/2019 09:00 | 83.0373 |
| 17/03/2019 10:00 | 82.7113 |
| 17/03/2019 11:00 | 83.1498 |
| 17/03/2019 12:00 | 82.763 |
| 17/03/2019 13:00 | 83.0509 |
| 17/03/2019 14:00 | 82.9827 |

| Fecha y Hora | Metano Prom/Hora |
|------------------|------------------|
| 17/03/2019 15:00 | 83.1537 |
| 17/03/2019 16:00 | 83.0286 |
| 17/03/2019 17:00 | 82.3784 |
| 17/03/2019 18:00 | 82.5261 |
| 17/03/2019 19:00 | 82.7618 |
| 17/03/2019 20:00 | 82.842 |
| 17/03/2019 21:00 | 82.9361 |
| 17/03/2019 22:00 | 82.9994 |
| 17/03/2019 23:00 | 83.0202 |
| 18/03/2019 00:00 | 82.9546 |

| Fecha y Hora | Metano Prom/Hora |
|---------------------|-----------------------------|
| 18/03/2019 01:00 | 82.8211 |
| 18/03/2019 02:00 | 82.6082 |
| 18/03/2019 03:00 | 82.7144 |
| 18/03/2019 04:00 | 82.6608 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Metano

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 41 CPG La Venta | 82.8348 |
| 16/03/2019 | CRE 41 CPG La Venta | 82.086 |
| 17/03/2019 | CRE 41 CPG La Venta | 82.7703 |
| 18/03/2019 | CRE 41 CPG La Venta | 82.339 |
| 21/03/2019 | CRE 41 CPG La Venta | 80.4769 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 35 Troncal 48" | 12.7001 |
| 16/03/2019 | CRE 35 Troncal 48" | 12.49 |
| 17/03/2019 | CRE 35 Troncal 48" | 13.5107 |
| 18/03/2019 | CRE 35 Troncal 48" | 13.0119 |
| 19/03/2019 | CRE 35 Troncal 48" | 12.0714 |
| 20/03/2019 | CRE 35 Troncal 48" | 12.1796 |
| 21/03/2019 | CRE 35 Troncal 48" | 12.5002 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 09:00 | 13.054 |
| 15/03/2019 10:00 | 12.9811 |
| 15/03/2019 11:00 | 12.9433 |
| 15/03/2019 12:00 | 12.9481 |
| 15/03/2019 13:00 | 13.051 |
| 15/03/2019 14:00 | 12.627 |
| 15/03/2019 15:00 | 12.7869 |
| 15/03/2019 16:00 | 12.9097 |
| 15/03/2019 17:00 | 13.206 |
| 15/03/2019 18:00 | 12.6749 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 19:00 | 12.4361 |
| 15/03/2019 20:00 | 12.23 |
| 15/03/2019 21:00 | 12.2569 |
| 15/03/2019 22:00 | 12.369 |
| 15/03/2019 23:00 | 12.2851 |
| 16/03/2019 00:00 | 12.0911 |
| 16/03/2019 01:00 | 12.096 |
| 16/03/2019 02:00 | 12.5471 |
| 16/03/2019 03:00 | 13.084 |
| 16/03/2019 04:00 | 12.477 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 16/03/2019 05:00 | 12.8451 |
| 16/03/2019 06:00 | 12.8691 |
| 16/03/2019 07:00 | 12.9423 |
| 16/03/2019 08:00 | 13.0921 |
| 16/03/2019 09:00 | 12.276 |
| 16/03/2019 10:00 | 11.9121 |
| 16/03/2019 11:00 | 12.052 |
| 16/03/2019 12:00 | 12.1471 |
| 16/03/2019 13:00 | 12.4051 |
| 16/03/2019 14:00 | 12.2861 |
| 16/03/2019 15:00 | 12.4891 |
| 16/03/2019 16:00 | 12.5041 |
| 16/03/2019 17:00 | 12.6203 |
| 16/03/2019 18:00 | 12.6431 |
| 16/03/2019 19:00 | 13.0141 |
| 16/03/2019 20:00 | 12.3361 |
| 16/03/2019 21:00 | 12.277 |
| 16/03/2019 22:00 | 12.7309 |
| 16/03/2019 23:00 | 12.9941 |
| 17/03/2019 00:00 | 12.8339 |
| 17/03/2019 01:00 | 12.729 |
| 17/03/2019 02:00 | 12.3271 |
| 17/03/2019 03:00 | 13.267 |
| 17/03/2019 04:00 | 13.421 |
| 17/03/2019 05:00 | 11.8931 |
| 17/03/2019 06:00 | 11.7392 |
| 17/03/2019 07:00 | 12.336 |
| 17/03/2019 08:00 | 12.5271 |
| 17/03/2019 09:00 | 13.352 |
| 17/03/2019 10:00 | 13.4711 |
| 17/03/2019 11:00 | 13.2431 |
| 17/03/2019 12:00 | 13.136 |
| 17/03/2019 13:00 | 13.2729 |
| 17/03/2019 14:00 | 13.2049 |
| 17/03/2019 15:00 | 13.0979 |
| 17/03/2019 16:00 | 13.425 |
| 17/03/2019 17:00 | 13.9861 |
| 17/03/2019 18:00 | 13.915 |
| 17/03/2019 19:00 | 13.8583 |
| 17/03/2019 20:00 | 13.8093 |
| 17/03/2019 21:00 | 13.6743 |
| 17/03/2019 22:00 | 13.5561 |
| 17/03/2019 23:00 | 13.5053 |
| 18/03/2019 00:00 | 13.6073 |
| 18/03/2019 01:00 | 13.739 |
| 18/03/2019 02:00 | 13.9431 |
| 18/03/2019 03:00 | 13.8383 |
| 18/03/2019 04:00 | 13.8641 |
| 18/03/2019 05:00 | 13.4449 |
| 18/03/2019 06:00 | 13.1159 |
| 18/03/2019 07:00 | 13.115 |
| 18/03/2019 08:00 | 13.081 |
| 18/03/2019 09:00 | 13.7041 |
| 18/03/2019 10:00 | 13.623 |
| 18/03/2019 11:00 | 14.0004 |
| 18/03/2019 12:00 | 13.59 |
| 18/03/2019 13:00 | 13.0621 |
| 18/03/2019 14:00 | 12.4861 |
| 18/03/2019 15:00 | 12.564 |
| 18/03/2019 16:00 | 12.5699 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 18/03/2019 17:00 | 12.7051 |
| 18/03/2019 18:00 | 12.8181 |
| 18/03/2019 19:00 | 12.8182 |
| 18/03/2019 20:00 | 12.865 |
| 18/03/2019 21:00 | 12.6231 |
| 18/03/2019 22:00 | 12.5349 |
| 18/03/2019 23:00 | 12.654 |
| 19/03/2019 00:00 | 12.623 |
| 19/03/2019 01:00 | 12.4671 |
| 19/03/2019 02:00 | 12.6131 |
| 19/03/2019 03:00 | 13.0181 |
| 19/03/2019 04:00 | 12.9061 |
| 19/03/2019 05:00 | 13.8731 |
| 19/03/2019 06:00 | 13.2174 |
| 19/03/2019 07:00 | 13.407 |
| 19/03/2019 08:00 | 13.543 |
| 19/03/2019 09:00 | 12.725 |
| 19/03/2019 10:00 | 12.4991 |
| 19/03/2019 11:00 | 12.1691 |
| 19/03/2019 12:00 | 11.8261 |
| 19/03/2019 13:00 | 12.1041 |
| 19/03/2019 14:00 | 11.759 |
| 19/03/2019 15:00 | 11.5642 |
| 19/03/2019 16:00 | 11.7422 |
| 19/03/2019 17:00 | 11.7811 |
| 19/03/2019 18:00 | 11.9361 |
| 19/03/2019 19:00 | 11.866 |
| 19/03/2019 20:00 | 11.7961 |
| 19/03/2019 21:00 | 11.8472 |
| 19/03/2019 22:00 | 11.9442 |
| 19/03/2019 23:00 | 12.0579 |
| 20/03/2019 00:00 | 12.0439 |
| 20/03/2019 01:00 | 12.107 |
| 20/03/2019 02:00 | 11.985 |
| 20/03/2019 03:00 | 11.8781 |
| 20/03/2019 04:00 | 11.812 |
| 20/03/2019 05:00 | 12.5651 |
| 20/03/2019 06:00 | 12.5171 |
| 20/03/2019 07:00 | 12.6961 |
| 20/03/2019 08:00 | 12.4911 |
| 20/03/2019 09:00 | 12.065 |
| 20/03/2019 10:00 | 12.4021 |
| 20/03/2019 11:00 | 12.626 |
| 20/03/2019 12:00 | 12.583 |
| 20/03/2019 13:00 | 12.3421 |
| 20/03/2019 14:00 | 12.252 |
| 20/03/2019 15:00 | 12.2261 |
| 20/03/2019 16:00 | 12.304 |
| 20/03/2019 17:00 | 12.3121 |
| 20/03/2019 18:00 | 12.102 |
| 20/03/2019 19:00 | 12.231 |
| 20/03/2019 20:00 | 12.1769 |
| 20/03/2019 21:00 | 12.163 |
| 20/03/2019 22:00 | 12.1551 |
| 20/03/2019 23:00 | 12.1251 |
| 21/03/2019 00:00 | 11.9271 |
| 21/03/2019 01:00 | 12.1552 |
| 21/03/2019 02:00 | 12.147 |
| 21/03/2019 03:00 | 12.1561 |
| 21/03/2019 04:00 | 11.9161 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 21/03/2019 05:00 | 11.9371 |
| 21/03/2019 06:00 | 11.919 |
| 21/03/2019 07:00 | 12.0191 |
| 21/03/2019 08:00 | 12.068 |
| 21/03/2019 09:00 | 12.235 |
| 21/03/2019 10:00 | 12.3711 |
| 21/03/2019 11:00 | 12.4731 |
| 21/03/2019 12:00 | 12.6853 |
| 21/03/2019 13:00 | 12.6439 |
| 21/03/2019 14:00 | 12.0551 |
| 21/03/2019 15:00 | 12.1681 |
| 21/03/2019 16:00 | 12.2702 |
| 21/03/2019 17:00 | 12.391 |
| 21/03/2019 18:00 | 12.488 |
| 21/03/2019 19:00 | 12.3291 |
| 21/03/2019 20:00 | 12.232 |
| 21/03/2019 21:00 | 12.265 |
| 21/03/2019 22:00 | 12.4311 |
| 21/03/2019 23:00 | 12.3889 |
| 22/03/2019 00:00 | 12.833 |
| 22/03/2019 01:00 | 13.0113 |
| 22/03/2019 02:00 | 13.102 |
| 22/03/2019 03:00 | 13.3101 |
| 22/03/2019 04:00 | 13.4011 |
| 22/03/2019 05:00 | 12.2071 |
| 22/03/2019 06:00 | 12.1841 |
| 22/03/2019 07:00 | 12.2951 |
| 22/03/2019 08:00 | 12.2351 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 38 CPG Cactus | 10.9179 |
| 16/03/2019 | CRE 38 CPG Cactus | 10.9622 |
| 17/03/2019 | CRE 38 CPG Cactus | 10.9701 |
| 18/03/2019 | CRE 38 CPG Cactus | 10.9406 |
| 19/03/2019 | CRE 38 CPG Cactus | 10.925 |
| 20/03/2019 | CRE 38 CPG Cactus | 10.8696 |
| 21/03/2019 | CRE 38 CPG Cactus | 10.465 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 05:00 | 10.8806 |
| 15/03/2019 06:00 | 10.8803 |
| 15/03/2019 07:00 | 10.8794 |
| 15/03/2019 08:00 | 10.8784 |
| 15/03/2019 09:00 | 10.8857 |
| 15/03/2019 10:00 | 10.8947 |
| 15/03/2019 11:00 | 10.9114 |
| 15/03/2019 12:00 | 10.9262 |
| 15/03/2019 13:00 | 10.9463 |
| 15/03/2019 14:00 | 10.9801 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 15:00 | 11.0161 |
| 15/03/2019 16:00 | 11.0411 |
| 15/03/2019 17:00 | 11.0489 |
| 15/03/2019 18:00 | 11.0405 |
| 15/03/2019 19:00 | 11.01 |
| 15/03/2019 20:00 | 10.964 |
| 15/03/2019 21:00 | 10.9211 |
| 15/03/2019 22:00 | 10.8738 |
| 15/03/2019 23:00 | 10.8431 |
| 16/03/2019 00:00 | 10.8372 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 16/03/2019 01:00 | 10.8377 |
| 16/03/2019 02:00 | 10.8405 |
| 16/03/2019 03:00 | 10.8438 |
| 16/03/2019 04:00 | 10.8486 |
| 16/03/2019 05:00 | 10.8559 |
| 16/03/2019 06:00 | 10.8752 |
| 16/03/2019 07:00 | 10.8959 |
| 16/03/2019 08:00 | 10.9094 |
| 16/03/2019 09:00 | 10.9299 |
| 16/03/2019 10:00 | 10.9426 |
| 16/03/2019 11:00 | 10.9407 |
| 16/03/2019 12:00 | 10.9489 |
| 16/03/2019 13:00 | 10.9482 |
| 16/03/2019 14:00 | 10.9496 |
| 16/03/2019 15:00 | 10.9538 |
| 16/03/2019 16:00 | 10.9559 |
| 16/03/2019 17:00 | 10.9523 |
| 16/03/2019 18:00 | 10.9497 |
| 16/03/2019 19:00 | 10.9373 |
| 16/03/2019 20:00 | 10.924 |
| 16/03/2019 21:00 | 10.9248 |
| 16/03/2019 22:00 | 10.923 |
| 16/03/2019 23:00 | 10.9234 |
| 17/03/2019 00:00 | 10.9508 |
| 17/03/2019 01:00 | 11.0126 |
| 17/03/2019 02:00 | 11.1125 |
| 17/03/2019 03:00 | 11.1763 |
| 17/03/2019 04:00 | 11.1998 |
| 17/03/2019 05:00 | 11.1841 |
| 17/03/2019 06:00 | 11.1671 |
| 17/03/2019 07:00 | 11.144 |
| 17/03/2019 08:00 | 11.1145 |
| 17/03/2019 09:00 | 11.1013 |
| 17/03/2019 10:00 | 11.0726 |
| 17/03/2019 11:00 | 11.0318 |
| 17/03/2019 12:00 | 10.9937 |
| 17/03/2019 13:00 | 10.952 |
| 17/03/2019 14:00 | 10.9266 |
| 17/03/2019 15:00 | 10.9074 |
| 17/03/2019 16:00 | 10.8954 |
| 17/03/2019 17:00 | 10.8875 |
| 17/03/2019 18:00 | 10.8818 |
| 17/03/2019 19:00 | 10.8892 |
| 17/03/2019 20:00 | 10.8992 |
| 17/03/2019 21:00 | 10.9035 |
| 17/03/2019 22:00 | 10.904 |
| 17/03/2019 23:00 | 10.8979 |
| 18/03/2019 00:00 | 10.8939 |
| 18/03/2019 01:00 | 10.8962 |
| 18/03/2019 02:00 | 10.91 |
| 18/03/2019 03:00 | 10.9144 |
| 18/03/2019 04:00 | 10.9136 |
| 18/03/2019 05:00 | 10.9059 |
| 18/03/2019 06:00 | 10.8893 |
| 18/03/2019 07:00 | 10.8868 |
| 18/03/2019 08:00 | 10.8735 |
| 18/03/2019 09:00 | 10.8694 |
| 18/03/2019 10:00 | 10.8696 |
| 18/03/2019 11:00 | 10.8903 |
| 18/03/2019 12:00 | 10.9082 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 18/03/2019 13:00 | 10.9271 |
| 18/03/2019 14:00 | 10.945 |
| 18/03/2019 15:00 | 10.9563 |
| 18/03/2019 16:00 | 10.9636 |
| 18/03/2019 17:00 | 10.9679 |
| 18/03/2019 18:00 | 10.9724 |
| 18/03/2019 19:00 | 10.9684 |
| 18/03/2019 20:00 | 10.9714 |
| 18/03/2019 21:00 | 10.9771 |
| 18/03/2019 22:00 | 10.9818 |
| 18/03/2019 23:00 | 10.9842 |
| 19/03/2019 00:00 | 10.9814 |
| 19/03/2019 01:00 | 10.9859 |
| 19/03/2019 02:00 | 10.978 |
| 19/03/2019 03:00 | 10.9672 |
| 19/03/2019 04:00 | 10.9532 |
| 19/03/2019 05:00 | 10.9502 |
| 19/03/2019 06:00 | 10.9502 |
| 19/03/2019 07:00 | 10.95 |
| 19/03/2019 08:00 | 10.9454 |
| 19/03/2019 09:00 | 10.9298 |
| 19/03/2019 10:00 | 10.9126 |
| 19/03/2019 11:00 | 10.8895 |
| 19/03/2019 12:00 | 10.8739 |
| 19/03/2019 13:00 | 10.8694 |
| 19/03/2019 14:00 | 10.8748 |
| 19/03/2019 15:00 | 10.9021 |
| 19/03/2019 16:00 | 10.9297 |
| 19/03/2019 17:00 | 10.9487 |
| 19/03/2019 18:00 | 10.9535 |
| 19/03/2019 19:00 | 10.9528 |
| 19/03/2019 20:00 | 10.9563 |
| 19/03/2019 21:00 | 10.9482 |
| 19/03/2019 22:00 | 10.937 |
| 19/03/2019 23:00 | 10.9275 |
| 20/03/2019 00:00 | 10.9218 |
| 20/03/2019 01:00 | 10.9171 |
| 20/03/2019 02:00 | 10.9169 |
| 20/03/2019 03:00 | 10.9164 |
| 20/03/2019 04:00 | 10.9264 |
| 20/03/2019 05:00 | 10.9341 |
| 20/03/2019 06:00 | 10.9343 |
| 20/03/2019 07:00 | 10.936 |
| 20/03/2019 08:00 | 10.9333 |
| 20/03/2019 09:00 | 10.9222 |
| 20/03/2019 10:00 | 10.9105 |
| 20/03/2019 11:00 | 10.8948 |
| 20/03/2019 12:00 | 10.8825 |
| 20/03/2019 13:00 | 10.8665 |
| 20/03/2019 14:00 | 10.8489 |
| 20/03/2019 15:00 | 10.8313 |
| 20/03/2019 16:00 | 10.805 |
| 20/03/2019 17:00 | 10.7736 |
| 20/03/2019 18:00 | 10.7419 |
| 20/03/2019 19:00 | 10.7309 |
| 20/03/2019 20:00 | 10.7358 |
| 20/03/2019 21:00 | 10.7607 |
| 20/03/2019 22:00 | 10.7983 |
| 20/03/2019 23:00 | 10.8492 |
| 21/03/2019 00:00 | 10.8937 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 21/03/2019 01:00 | 10.9368 |
| 21/03/2019 02:00 | 10.9645 |
| 21/03/2019 03:00 | 10.9924 |
| 21/03/2019 04:00 | 10.9923 |
| 21/03/2019 05:00 | 10.9634 |
| 21/03/2019 06:00 | 10.8727 |
| 21/03/2019 07:00 | 10.7871 |
| 21/03/2019 08:00 | 10.7086 |
| 21/03/2019 09:00 | 10.6314 |
| 21/03/2019 10:00 | 10.5639 |
| 21/03/2019 11:00 | 10.5098 |
| 21/03/2019 12:00 | 10.4774 |
| 21/03/2019 13:00 | 10.4507 |
| 21/03/2019 14:00 | 10.4266 |
| 21/03/2019 15:00 | 10.4046 |
| 21/03/2019 16:00 | 10.3791 |
| 21/03/2019 17:00 | 10.354 |
| 21/03/2019 18:00 | 10.3335 |
| 21/03/2019 19:00 | 10.3209 |
| 21/03/2019 20:00 | 10.3157 |
| 21/03/2019 21:00 | 10.32 |
| 21/03/2019 22:00 | 10.3315 |
| 21/03/2019 23:00 | 10.3315 |
| 22/03/2019 00:00 | 10.328 |
| 22/03/2019 01:00 | 10.3213 |
| 22/03/2019 02:00 | 10.3215 |
| 22/03/2019 03:00 | 10.3375 |
| 22/03/2019 04:00 | 10.3689 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 39 KM-100 | 10.9186 |
| 16/03/2019 | CRE 39 KM-100 | 11.0069 |
| 17/03/2019 | CRE 39 KM-100 | 10.9261 |
| 18/03/2019 | CRE 39 KM-100 | 10.9506 |
| 19/03/2019 | CRE 39 KM-100 | 10.9226 |
| 20/03/2019 | CRE 39 KM-100 | 10.8526 |
| 21/03/2019 | CRE 39 KM-100 | 10.3943 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 09:00 | 10.8857 |
| 15/03/2019 10:00 | 10.8947 |
| 15/03/2019 11:00 | 10.9114 |
| 15/03/2019 12:00 | 10.9262 |
| 15/03/2019 13:00 | 10.9463 |
| 15/03/2019 14:00 | 10.9801 |
| 15/03/2019 15:00 | 11.0161 |
| 15/03/2019 16:00 | 11.0411 |
| 15/03/2019 17:00 | 11.0489 |
| 15/03/2019 18:00 | 11.0405 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 19:00 | 11.01 |
| 15/03/2019 20:00 | 10.964 |
| 15/03/2019 21:00 | 10.9211 |
| 15/03/2019 22:00 | 10.8738 |
| 15/03/2019 23:00 | 10.8431 |
| 16/03/2019 00:00 | 10.8372 |
| 16/03/2019 01:00 | 10.8377 |
| 16/03/2019 02:00 | 10.8405 |
| 16/03/2019 03:00 | 10.8438 |
| 16/03/2019 04:00 | 10.8486 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 16/03/2019 05:00 | 10.8559 |
| 16/03/2019 06:00 | 10.8752 |
| 16/03/2019 07:00 | 10.8959 |
| 16/03/2019 08:00 | 10.9094 |
| 16/03/2019 09:00 | 10.9299 |
| 16/03/2019 10:00 | 10.9426 |
| 16/03/2019 11:00 | 10.9407 |
| 16/03/2019 12:00 | 10.9489 |
| 16/03/2019 13:00 | 10.9482 |
| 16/03/2019 14:00 | 10.9496 |
| 16/03/2019 15:00 | 10.9538 |
| 16/03/2019 16:00 | 10.9559 |
| 16/03/2019 17:00 | 10.9523 |
| 16/03/2019 18:00 | 10.9497 |
| 16/03/2019 19:00 | 10.9373 |
| 16/03/2019 20:00 | 10.924 |
| 16/03/2019 21:00 | 10.9248 |
| 16/03/2019 22:00 | 10.923 |
| 16/03/2019 23:00 | 10.9234 |
| 17/03/2019 00:00 | 10.9508 |
| 17/03/2019 01:00 | 11.0126 |
| 17/03/2019 02:00 | 11.1125 |
| 17/03/2019 03:00 | 11.1763 |
| 17/03/2019 04:00 | 11.1998 |
| 17/03/2019 05:00 | 11.1841 |
| 17/03/2019 06:00 | 11.1671 |
| 17/03/2019 07:00 | 11.144 |
| 17/03/2019 08:00 | 11.1145 |
| 17/03/2019 09:00 | 11.1013 |
| 17/03/2019 10:00 | 11.0726 |
| 17/03/2019 11:00 | 11.0318 |
| 17/03/2019 12:00 | 10.9937 |
| 17/03/2019 13:00 | 10.952 |
| 17/03/2019 14:00 | 10.9266 |
| 17/03/2019 15:00 | 10.9074 |
| 17/03/2019 16:00 | 10.8954 |
| 17/03/2019 17:00 | 10.8875 |
| 17/03/2019 18:00 | 10.8818 |
| 17/03/2019 19:00 | 10.8892 |
| 17/03/2019 20:00 | 10.8992 |
| 17/03/2019 21:00 | 10.9035 |
| 17/03/2019 22:00 | 10.904 |
| 17/03/2019 23:00 | 10.8979 |
| 18/03/2019 00:00 | 10.8939 |
| 18/03/2019 01:00 | 10.8962 |
| 18/03/2019 02:00 | 10.91 |
| 18/03/2019 03:00 | 10.9144 |
| 18/03/2019 04:00 | 10.9136 |
| 18/03/2019 05:00 | 10.9059 |
| 18/03/2019 06:00 | 10.8893 |
| 18/03/2019 07:00 | 10.8868 |
| 18/03/2019 08:00 | 10.8735 |
| 18/03/2019 09:00 | 10.8694 |
| 18/03/2019 10:00 | 10.8696 |
| 18/03/2019 11:00 | 10.8903 |
| 18/03/2019 12:00 | 10.9082 |
| 18/03/2019 13:00 | 10.9271 |
| 18/03/2019 14:00 | 10.945 |
| 18/03/2019 15:00 | 10.9563 |
| 18/03/2019 16:00 | 10.9636 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 18/03/2019 17:00 | 10.9679 |
| 18/03/2019 18:00 | 10.9724 |
| 18/03/2019 19:00 | 10.9684 |
| 18/03/2019 20:00 | 10.9714 |
| 18/03/2019 21:00 | 10.9771 |
| 18/03/2019 22:00 | 10.9818 |
| 18/03/2019 23:00 | 10.9842 |
| 19/03/2019 00:00 | 10.9814 |
| 19/03/2019 01:00 | 10.9859 |
| 19/03/2019 02:00 | 10.978 |
| 19/03/2019 03:00 | 10.9672 |
| 19/03/2019 04:00 | 10.9532 |
| 19/03/2019 05:00 | 10.9502 |
| 19/03/2019 06:00 | 10.9502 |
| 19/03/2019 07:00 | 10.95 |
| 19/03/2019 08:00 | 10.9454 |
| 19/03/2019 09:00 | 10.9298 |
| 19/03/2019 10:00 | 10.9126 |
| 19/03/2019 11:00 | 10.8895 |
| 19/03/2019 12:00 | 10.8739 |
| 19/03/2019 13:00 | 10.8694 |
| 19/03/2019 14:00 | 10.8748 |
| 19/03/2019 15:00 | 10.9021 |
| 19/03/2019 16:00 | 10.9297 |
| 19/03/2019 17:00 | 10.9487 |
| 19/03/2019 18:00 | 10.9535 |
| 19/03/2019 19:00 | 10.9528 |
| 19/03/2019 20:00 | 10.9563 |
| 19/03/2019 21:00 | 10.9482 |
| 19/03/2019 22:00 | 10.937 |
| 19/03/2019 23:00 | 10.9275 |
| 20/03/2019 00:00 | 10.9218 |
| 20/03/2019 01:00 | 10.9171 |
| 20/03/2019 02:00 | 10.9169 |
| 20/03/2019 03:00 | 10.9164 |
| 20/03/2019 04:00 | 10.9264 |
| 20/03/2019 05:00 | 10.9341 |
| 20/03/2019 06:00 | 10.9343 |
| 20/03/2019 07:00 | 10.936 |
| 20/03/2019 08:00 | 10.9333 |
| 20/03/2019 09:00 | 10.9222 |
| 20/03/2019 10:00 | 10.9105 |
| 20/03/2019 11:00 | 10.8948 |
| 20/03/2019 12:00 | 10.8825 |
| 20/03/2019 13:00 | 10.8665 |
| 20/03/2019 14:00 | 10.8489 |
| 20/03/2019 15:00 | 10.8313 |
| 20/03/2019 16:00 | 10.805 |
| 20/03/2019 17:00 | 10.7736 |
| 20/03/2019 18:00 | 10.7419 |
| 20/03/2019 19:00 | 10.7309 |
| 20/03/2019 20:00 | 10.7358 |
| 20/03/2019 21:00 | 10.7607 |
| 20/03/2019 22:00 | 10.7983 |
| 20/03/2019 23:00 | 10.8492 |
| 21/03/2019 00:00 | 10.8937 |
| 21/03/2019 01:00 | 10.9368 |
| 21/03/2019 02:00 | 10.9645 |
| 21/03/2019 03:00 | 10.9924 |
| 21/03/2019 04:00 | 10.9923 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 21/03/2019 05:00 | 10.9634 |
| 21/03/2019 06:00 | 10.8727 |
| 21/03/2019 07:00 | 10.7871 |
| 21/03/2019 08:00 | 10.7086 |
| 21/03/2019 09:00 | 10.6314 |
| 21/03/2019 10:00 | 10.5639 |
| 21/03/2019 11:00 | 10.5098 |
| 21/03/2019 12:00 | 10.4774 |
| 21/03/2019 13:00 | 10.4507 |
| 21/03/2019 14:00 | 10.4266 |
| 21/03/2019 15:00 | 10.4046 |
| 21/03/2019 16:00 | 10.3791 |
| 21/03/2019 17:00 | 10.354 |
| 21/03/2019 18:00 | 10.3335 |
| 21/03/2019 19:00 | 10.3209 |
| 21/03/2019 20:00 | 10.3157 |
| 21/03/2019 21:00 | 10.32 |
| 21/03/2019 22:00 | 10.3315 |
| 21/03/2019 23:00 | 10.3315 |
| 22/03/2019 00:00 | 10.328 |
| 22/03/2019 01:00 | 10.3213 |
| 22/03/2019 02:00 | 10.3215 |
| 22/03/2019 03:00 | 10.3375 |
| 22/03/2019 04:00 | 10.3689 |
| 22/03/2019 05:00 | 10.3828 |
| 22/03/2019 06:00 | 10.4 |
| 22/03/2019 07:00 | 10.4145 |
| 22/03/2019 08:00 | 10.438 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Nitrógeno

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 40 CPG Nuevo Pemex | 12.7276 |
| 16/03/2019 | CRE 40 CPG Nuevo Pemex | 12.5136 |
| 17/03/2019 | CRE 40 CPG Nuevo Pemex | 13.5498 |
| 18/03/2019 | CRE 40 CPG Nuevo Pemex | 13.066 |
| 19/03/2019 | CRE 40 CPG Nuevo Pemex | 12.0891 |
| 20/03/2019 | CRE 40 CPG Nuevo Pemex | 12.1998 |
| 21/03/2019 | CRE 40 CPG Nuevo Pemex | 12.5317 |

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

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 05:00 | 12.8753 |
| 15/03/2019 06:00 | 12.9001 |
| 15/03/2019 07:00 | 12.9738 |
| 15/03/2019 08:00 | 13.1259 |
| 15/03/2019 09:00 | 13.0872 |
| 15/03/2019 10:00 | 13.0133 |
| 15/03/2019 11:00 | 12.9747 |
| 15/03/2019 12:00 | 12.9794 |
| 15/03/2019 13:00 | 13.0834 |
| 15/03/2019 14:00 | 12.6526 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 15/03/2019 15:00 | 12.8142 |
| 15/03/2019 16:00 | 12.9386 |
| 15/03/2019 17:00 | 13.2392 |
| 15/03/2019 18:00 | 12.6999 |
| 15/03/2019 19:00 | 12.4577 |
| 15/03/2019 20:00 | 12.2496 |
| 15/03/2019 21:00 | 12.2773 |
| 15/03/2019 22:00 | 12.3918 |
| 15/03/2019 23:00 | 12.3071 |
| 16/03/2019 00:00 | 12.1099 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 16/03/2019 01:00 | 12.1154 |
| 16/03/2019 02:00 | 12.5739 |
| 16/03/2019 03:00 | 13.119 |
| 16/03/2019 04:00 | 12.5021 |
| 16/03/2019 05:00 | 11.909 |
| 16/03/2019 06:00 | 11.7528 |
| 16/03/2019 07:00 | 12.3582 |
| 16/03/2019 08:00 | 12.5521 |
| 16/03/2019 09:00 | 12.2966 |
| 16/03/2019 10:00 | 11.927 |
| 16/03/2019 11:00 | 12.0695 |
| 16/03/2019 12:00 | 12.1656 |
| 16/03/2019 13:00 | 12.4275 |
| 16/03/2019 14:00 | 12.3067 |
| 16/03/2019 15:00 | 12.5129 |
| 16/03/2019 16:00 | 12.5281 |
| 16/03/2019 17:00 | 12.6461 |
| 16/03/2019 18:00 | 12.6696 |
| 16/03/2019 19:00 | 13.0456 |
| 16/03/2019 20:00 | 12.3581 |
| 16/03/2019 21:00 | 12.2974 |
| 16/03/2019 22:00 | 12.7589 |
| 16/03/2019 23:00 | 13.0256 |
| 17/03/2019 00:00 | 12.8627 |
| 17/03/2019 01:00 | 12.7552 |
| 17/03/2019 02:00 | 12.3458 |
| 17/03/2019 03:00 | 13.2997 |
| 17/03/2019 04:00 | 13.4552 |
| 17/03/2019 05:00 | 13.4795 |
| 17/03/2019 06:00 | 13.1457 |
| 17/03/2019 07:00 | 13.1454 |
| 17/03/2019 08:00 | 13.1114 |
| 17/03/2019 09:00 | 13.3869 |
| 17/03/2019 10:00 | 13.5077 |
| 17/03/2019 11:00 | 13.2775 |
| 17/03/2019 12:00 | 13.169 |
| 17/03/2019 13:00 | 13.3087 |
| 17/03/2019 14:00 | 13.2406 |
| 17/03/2019 15:00 | 13.1318 |
| 17/03/2019 16:00 | 13.4637 |
| 17/03/2019 17:00 | 14.034 |
| 17/03/2019 18:00 | 13.9618 |
| 17/03/2019 19:00 | 13.904 |
| 17/03/2019 20:00 | 13.8536 |
| 17/03/2019 21:00 | 13.7164 |
| 17/03/2019 22:00 | 13.5973 |
| 17/03/2019 23:00 | 13.5452 |
| 18/03/2019 00:00 | 13.649 |
| 18/03/2019 01:00 | 13.7829 |
| 18/03/2019 02:00 | 13.9895 |
| 18/03/2019 03:00 | 13.8832 |
| 18/03/2019 04:00 | 13.9099 |
| 18/03/2019 05:00 | 13.9191 |
| 18/03/2019 06:00 | 13.7824 |
| 18/03/2019 07:00 | 13.4456 |
| 18/03/2019 08:00 | 13.5842 |
| 18/03/2019 09:00 | 13.748 |
| 18/03/2019 10:00 | 13.6654 |
| 18/03/2019 11:00 | 14.051 |
| 18/03/2019 12:00 | 13.6315 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|------------------|---------------------|
| 18/03/2019 13:00 | 13.0946 |
| 18/03/2019 14:00 | 12.5099 |
| 18/03/2019 15:00 | 12.5888 |
| 18/03/2019 16:00 | 12.5945 |
| 18/03/2019 17:00 | 12.7322 |
| 18/03/2019 18:00 | 12.8468 |
| 18/03/2019 19:00 | 12.8463 |
| 18/03/2019 20:00 | 12.8938 |
| 18/03/2019 21:00 | 12.6481 |
| 18/03/2019 22:00 | 12.5586 |
| 18/03/2019 23:00 | 12.6796 |
| 19/03/2019 00:00 | 12.6487 |
| 19/03/2019 01:00 | 12.4901 |
| 19/03/2019 02:00 | 12.6382 |
| 19/03/2019 03:00 | 13.0498 |
| 19/03/2019 04:00 | 12.9364 |
| 19/03/2019 05:00 | 12.5902 |
| 19/03/2019 06:00 | 12.5412 |
| 19/03/2019 07:00 | 12.723 |
| 19/03/2019 08:00 | 12.5145 |
| 19/03/2019 09:00 | 12.7526 |
| 19/03/2019 10:00 | 12.5235 |
| 19/03/2019 11:00 | 12.1891 |
| 19/03/2019 12:00 | 11.8412 |
| 19/03/2019 13:00 | 12.1235 |
| 19/03/2019 14:00 | 11.7729 |
| 19/03/2019 15:00 | 11.5747 |
| 19/03/2019 16:00 | 11.7548 |
| 19/03/2019 17:00 | 11.7936 |
| 19/03/2019 18:00 | 11.9517 |
| 19/03/2019 19:00 | 11.8804 |
| 19/03/2019 20:00 | 11.8094 |
| 19/03/2019 21:00 | 11.8612 |
| 19/03/2019 22:00 | 11.96 |
| 19/03/2019 23:00 | 12.0753 |
| 20/03/2019 00:00 | 12.0609 |
| 20/03/2019 01:00 | 12.1259 |
| 20/03/2019 02:00 | 12.0016 |
| 20/03/2019 03:00 | 11.8931 |
| 20/03/2019 04:00 | 11.8255 |
| 20/03/2019 05:00 | 11.9529 |
| 20/03/2019 06:00 | 11.9343 |
| 20/03/2019 07:00 | 12.0354 |
| 20/03/2019 08:00 | 12.0854 |
| 20/03/2019 09:00 | 12.0828 |
| 20/03/2019 10:00 | 12.4255 |
| 20/03/2019 11:00 | 12.6526 |
| 20/03/2019 12:00 | 12.6091 |
| 20/03/2019 13:00 | 12.3652 |
| 20/03/2019 14:00 | 12.2734 |
| 20/03/2019 15:00 | 12.248 |
| 20/03/2019 16:00 | 12.3275 |
| 20/03/2019 17:00 | 12.3359 |
| 20/03/2019 18:00 | 12.1228 |
| 20/03/2019 19:00 | 12.2545 |
| 20/03/2019 20:00 | 12.1995 |
| 20/03/2019 21:00 | 12.1843 |
| 20/03/2019 22:00 | 12.1755 |
| 20/03/2019 23:00 | 12.1444 |
| 21/03/2019 00:00 | 11.943 |

| Fecha y Hora | Nitrógeno Prom/Hora |
|---------------------|----------------------------|
| 21/03/2019 01:00 | 12.174 |
| 21/03/2019 02:00 | 12.1649 |
| 21/03/2019 03:00 | 12.1739 |
| 21/03/2019 04:00 | 11.9303 |
| 21/03/2019 05:00 | 12.2261 |
| 21/03/2019 06:00 | 12.2043 |
| 21/03/2019 07:00 | 12.3186 |
| 21/03/2019 08:00 | 12.2587 |
| 21/03/2019 09:00 | 12.2598 |
| 21/03/2019 10:00 | 12.3994 |
| 21/03/2019 11:00 | 12.5037 |
| 21/03/2019 12:00 | 12.7187 |
| 21/03/2019 13:00 | 12.6777 |
| 21/03/2019 14:00 | 12.0803 |
| 21/03/2019 15:00 | 12.1953 |
| 21/03/2019 16:00 | 12.2996 |
| 21/03/2019 17:00 | 12.4222 |
| 21/03/2019 18:00 | 12.5213 |
| 21/03/2019 19:00 | 12.3605 |
| 21/03/2019 20:00 | 12.2612 |
| 21/03/2019 21:00 | 12.2951 |
| 21/03/2019 22:00 | 12.4637 |
| 21/03/2019 23:00 | 12.4205 |
| 22/03/2019 00:00 | 12.8715 |
| 22/03/2019 01:00 | 13.0525 |
| 22/03/2019 02:00 | 13.1447 |
| 22/03/2019 03:00 | 13.3562 |
| 22/03/2019 04:00 | 13.4483 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 35 Troncal 48" | 12.7001 |
| 16/03/2019 | CRE 35 Troncal 48" | 12.49 |
| 17/03/2019 | CRE 35 Troncal 48" | 13.5107 |
| 18/03/2019 | CRE 35 Troncal 48" | 13.0119 |
| 19/03/2019 | CRE 35 Troncal 48" | 12.0714 |
| 20/03/2019 | CRE 35 Troncal 48" | 12.1799 |
| 21/03/2019 | CRE 35 Troncal 48" | 12.5004 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 09:00 | 13.054 |
| 15/03/2019 10:00 | 12.9811 |
| 15/03/2019 11:00 | 12.9433 |
| 15/03/2019 12:00 | 12.9481 |
| 15/03/2019 13:00 | 13.051 |
| 15/03/2019 14:00 | 12.627 |
| 15/03/2019 15:00 | 12.7869 |
| 15/03/2019 16:00 | 12.9097 |
| 15/03/2019 17:00 | 13.206 |
| 15/03/2019 18:00 | 12.6749 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 19:00 | 12.4361 |
| 15/03/2019 20:00 | 12.23 |
| 15/03/2019 21:00 | 12.2569 |
| 15/03/2019 22:00 | 12.369 |
| 15/03/2019 23:00 | 12.2851 |
| 16/03/2019 00:00 | 12.0911 |
| 16/03/2019 01:00 | 12.096 |
| 16/03/2019 02:00 | 12.5471 |
| 16/03/2019 03:00 | 13.084 |
| 16/03/2019 04:00 | 12.477 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 05:00 | 12.8451 |
| 16/03/2019 06:00 | 12.8691 |
| 16/03/2019 07:00 | 12.9423 |
| 16/03/2019 08:00 | 13.0921 |
| 16/03/2019 09:00 | 12.276 |
| 16/03/2019 10:00 | 11.9121 |
| 16/03/2019 11:00 | 12.052 |
| 16/03/2019 12:00 | 12.1471 |
| 16/03/2019 13:00 | 12.4051 |
| 16/03/2019 14:00 | 12.2861 |
| 16/03/2019 15:00 | 12.4891 |
| 16/03/2019 16:00 | 12.5041 |
| 16/03/2019 17:00 | 12.6203 |
| 16/03/2019 18:00 | 12.6431 |
| 16/03/2019 19:00 | 13.0141 |
| 16/03/2019 20:00 | 12.3361 |
| 16/03/2019 21:00 | 12.277 |
| 16/03/2019 22:00 | 12.7309 |
| 16/03/2019 23:00 | 12.9941 |
| 17/03/2019 00:00 | 12.8339 |
| 17/03/2019 01:00 | 12.729 |
| 17/03/2019 02:00 | 12.3271 |
| 17/03/2019 03:00 | 13.267 |
| 17/03/2019 04:00 | 13.421 |
| 17/03/2019 05:00 | 11.8931 |
| 17/03/2019 06:00 | 11.7392 |
| 17/03/2019 07:00 | 12.336 |
| 17/03/2019 08:00 | 12.5271 |
| 17/03/2019 09:00 | 13.352 |
| 17/03/2019 10:00 | 13.4711 |
| 17/03/2019 11:00 | 13.2431 |
| 17/03/2019 12:00 | 13.136 |
| 17/03/2019 13:00 | 13.2729 |
| 17/03/2019 14:00 | 13.2049 |
| 17/03/2019 15:00 | 13.0979 |
| 17/03/2019 16:00 | 13.425 |
| 17/03/2019 17:00 | 13.9861 |
| 17/03/2019 18:00 | 13.915 |
| 17/03/2019 19:00 | 13.8583 |
| 17/03/2019 20:00 | 13.8093 |
| 17/03/2019 21:00 | 13.6743 |
| 17/03/2019 22:00 | 13.5561 |
| 17/03/2019 23:00 | 13.5053 |
| 18/03/2019 00:00 | 13.6073 |
| 18/03/2019 01:00 | 13.739 |
| 18/03/2019 02:00 | 13.9431 |
| 18/03/2019 03:00 | 13.8383 |
| 18/03/2019 04:00 | 13.8641 |
| 18/03/2019 05:00 | 13.4449 |
| 18/03/2019 06:00 | 13.1159 |
| 18/03/2019 07:00 | 13.115 |
| 18/03/2019 08:00 | 13.081 |
| 18/03/2019 09:00 | 13.7041 |
| 18/03/2019 10:00 | 13.623 |
| 18/03/2019 11:00 | 14.0004 |
| 18/03/2019 12:00 | 13.59 |
| 18/03/2019 13:00 | 13.0621 |
| 18/03/2019 14:00 | 12.4861 |
| 18/03/2019 15:00 | 12.564 |
| 18/03/2019 16:00 | 12.5699 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 17:00 | 12.7051 |
| 18/03/2019 18:00 | 12.8181 |
| 18/03/2019 19:00 | 12.8182 |
| 18/03/2019 20:00 | 12.865 |
| 18/03/2019 21:00 | 12.6231 |
| 18/03/2019 22:00 | 12.5349 |
| 18/03/2019 23:00 | 12.654 |
| 19/03/2019 00:00 | 12.623 |
| 19/03/2019 01:00 | 12.4671 |
| 19/03/2019 02:00 | 12.6131 |
| 19/03/2019 03:00 | 13.0181 |
| 19/03/2019 04:00 | 12.9061 |
| 19/03/2019 05:00 | 13.8731 |
| 19/03/2019 06:00 | 13.2174 |
| 19/03/2019 07:00 | 13.407 |
| 19/03/2019 08:00 | 13.543 |
| 19/03/2019 09:00 | 12.725 |
| 19/03/2019 10:00 | 12.4991 |
| 19/03/2019 11:00 | 12.1691 |
| 19/03/2019 12:00 | 11.8261 |
| 19/03/2019 13:00 | 12.1041 |
| 19/03/2019 14:00 | 11.759 |
| 19/03/2019 15:00 | 11.5642 |
| 19/03/2019 16:00 | 11.7422 |
| 19/03/2019 17:00 | 11.7811 |
| 19/03/2019 18:00 | 11.9361 |
| 19/03/2019 19:00 | 11.866 |
| 19/03/2019 20:00 | 11.7961 |
| 19/03/2019 21:00 | 11.8472 |
| 19/03/2019 22:00 | 11.9442 |
| 19/03/2019 23:00 | 12.0579 |
| 20/03/2019 00:00 | 12.0439 |
| 20/03/2019 01:00 | 12.107 |
| 20/03/2019 02:00 | 11.985 |
| 20/03/2019 03:00 | 11.8781 |
| 20/03/2019 04:00 | 11.812 |
| 20/03/2019 05:00 | 12.5651 |
| 20/03/2019 06:00 | 12.5171 |
| 20/03/2019 07:00 | 12.6961 |
| 20/03/2019 08:00 | 12.4911 |
| 20/03/2019 09:00 | 12.065 |
| 20/03/2019 10:00 | 12.4021 |
| 20/03/2019 11:00 | 12.626 |
| 20/03/2019 12:00 | 12.583 |
| 20/03/2019 13:00 | 12.3421 |
| 20/03/2019 14:00 | 12.252 |
| 20/03/2019 15:00 | 12.2261 |
| 20/03/2019 16:00 | 12.304 |
| 20/03/2019 17:00 | 12.3121 |
| 20/03/2019 18:00 | 12.102 |
| 20/03/2019 19:00 | 12.231 |
| 20/03/2019 20:00 | 12.1769 |
| 20/03/2019 21:00 | 12.163 |
| 20/03/2019 22:00 | 12.1551 |
| 20/03/2019 23:00 | 12.1251 |
| 21/03/2019 00:00 | 11.9271 |
| 21/03/2019 01:00 | 12.1572 |
| 21/03/2019 02:00 | 12.15 |
| 21/03/2019 03:00 | 12.1581 |
| 21/03/2019 04:00 | 11.9171 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|-----------------------------------|
| 21/03/2019 05:00 | 11.9371 |
| 21/03/2019 06:00 | 11.919 |
| 21/03/2019 07:00 | 12.0191 |
| 21/03/2019 08:00 | 12.068 |
| 21/03/2019 09:00 | 12.235 |
| 21/03/2019 10:00 | 12.3711 |
| 21/03/2019 11:00 | 12.4731 |
| 21/03/2019 12:00 | 12.6853 |
| 21/03/2019 13:00 | 12.6439 |
| 21/03/2019 14:00 | 12.0551 |
| 21/03/2019 15:00 | 12.1681 |
| 21/03/2019 16:00 | 12.2702 |
| 21/03/2019 17:00 | 12.391 |
| 21/03/2019 18:00 | 12.488 |
| 21/03/2019 19:00 | 12.3291 |
| 21/03/2019 20:00 | 12.232 |
| 21/03/2019 21:00 | 12.265 |
| 21/03/2019 22:00 | 12.4311 |
| 21/03/2019 23:00 | 12.3889 |
| 22/03/2019 00:00 | 12.833 |
| 22/03/2019 01:00 | 13.0113 |
| 22/03/2019 02:00 | 13.103 |
| 22/03/2019 03:00 | 13.3101 |
| 22/03/2019 04:00 | 13.4011 |
| 22/03/2019 05:00 | 12.2081 |
| 22/03/2019 06:00 | 12.1851 |
| 22/03/2019 07:00 | 12.2951 |
| 22/03/2019 08:00 | 12.2351 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 38 CPG Cactus | 10.9179 |
| 16/03/2019 | CRE 38 CPG Cactus | 10.9622 |
| 17/03/2019 | CRE 38 CPG Cactus | 10.9701 |
| 18/03/2019 | CRE 38 CPG Cactus | 10.9406 |
| 19/03/2019 | CRE 38 CPG Cactus | 10.925 |
| 20/03/2019 | CRE 38 CPG Cactus | 10.8696 |
| 21/03/2019 | CRE 38 CPG Cactus | 10.4667 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 05:00 | 10.8806 |
| 15/03/2019 06:00 | 10.8803 |
| 15/03/2019 07:00 | 10.8794 |
| 15/03/2019 08:00 | 10.8784 |
| 15/03/2019 09:00 | 10.8857 |
| 15/03/2019 10:00 | 10.8947 |
| 15/03/2019 11:00 | 10.9114 |
| 15/03/2019 12:00 | 10.9262 |
| 15/03/2019 13:00 | 10.9463 |
| 15/03/2019 14:00 | 10.9801 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 15:00 | 11.0161 |
| 15/03/2019 16:00 | 11.0411 |
| 15/03/2019 17:00 | 11.0489 |
| 15/03/2019 18:00 | 11.0405 |
| 15/03/2019 19:00 | 11.01 |
| 15/03/2019 20:00 | 10.964 |
| 15/03/2019 21:00 | 10.9211 |
| 15/03/2019 22:00 | 10.8738 |
| 15/03/2019 23:00 | 10.8431 |
| 16/03/2019 00:00 | 10.8372 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 01:00 | 10.8377 |
| 16/03/2019 02:00 | 10.8405 |
| 16/03/2019 03:00 | 10.8438 |
| 16/03/2019 04:00 | 10.8486 |
| 16/03/2019 05:00 | 10.8559 |
| 16/03/2019 06:00 | 10.8752 |
| 16/03/2019 07:00 | 10.8959 |
| 16/03/2019 08:00 | 10.9094 |
| 16/03/2019 09:00 | 10.9299 |
| 16/03/2019 10:00 | 10.9426 |
| 16/03/2019 11:00 | 10.9407 |
| 16/03/2019 12:00 | 10.9489 |
| 16/03/2019 13:00 | 10.9482 |
| 16/03/2019 14:00 | 10.9496 |
| 16/03/2019 15:00 | 10.9538 |
| 16/03/2019 16:00 | 10.9559 |
| 16/03/2019 17:00 | 10.9523 |
| 16/03/2019 18:00 | 10.9497 |
| 16/03/2019 19:00 | 10.9373 |
| 16/03/2019 20:00 | 10.924 |
| 16/03/2019 21:00 | 10.9248 |
| 16/03/2019 22:00 | 10.923 |
| 16/03/2019 23:00 | 10.9234 |
| 17/03/2019 00:00 | 10.9508 |
| 17/03/2019 01:00 | 11.0126 |
| 17/03/2019 02:00 | 11.1125 |
| 17/03/2019 03:00 | 11.1763 |
| 17/03/2019 04:00 | 11.1998 |
| 17/03/2019 05:00 | 11.1841 |
| 17/03/2019 06:00 | 11.1671 |
| 17/03/2019 07:00 | 11.144 |
| 17/03/2019 08:00 | 11.1145 |
| 17/03/2019 09:00 | 11.1013 |
| 17/03/2019 10:00 | 11.0726 |
| 17/03/2019 11:00 | 11.0318 |
| 17/03/2019 12:00 | 10.9937 |
| 17/03/2019 13:00 | 10.952 |
| 17/03/2019 14:00 | 10.9266 |
| 17/03/2019 15:00 | 10.9074 |
| 17/03/2019 16:00 | 10.8954 |
| 17/03/2019 17:00 | 10.8875 |
| 17/03/2019 18:00 | 10.8818 |
| 17/03/2019 19:00 | 10.8892 |
| 17/03/2019 20:00 | 10.8992 |
| 17/03/2019 21:00 | 10.9035 |
| 17/03/2019 22:00 | 10.904 |
| 17/03/2019 23:00 | 10.8979 |
| 18/03/2019 00:00 | 10.8939 |
| 18/03/2019 01:00 | 10.8962 |
| 18/03/2019 02:00 | 10.91 |
| 18/03/2019 03:00 | 10.9144 |
| 18/03/2019 04:00 | 10.9136 |
| 18/03/2019 05:00 | 10.9059 |
| 18/03/2019 06:00 | 10.8893 |
| 18/03/2019 07:00 | 10.8868 |
| 18/03/2019 08:00 | 10.8735 |
| 18/03/2019 09:00 | 10.8694 |
| 18/03/2019 10:00 | 10.8696 |
| 18/03/2019 11:00 | 10.8903 |
| 18/03/2019 12:00 | 10.9082 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 13:00 | 10.9271 |
| 18/03/2019 14:00 | 10.945 |
| 18/03/2019 15:00 | 10.9563 |
| 18/03/2019 16:00 | 10.9636 |
| 18/03/2019 17:00 | 10.9679 |
| 18/03/2019 18:00 | 10.9724 |
| 18/03/2019 19:00 | 10.9684 |
| 18/03/2019 20:00 | 10.9714 |
| 18/03/2019 21:00 | 10.9771 |
| 18/03/2019 22:00 | 10.9818 |
| 18/03/2019 23:00 | 10.9842 |
| 19/03/2019 00:00 | 10.9814 |
| 19/03/2019 01:00 | 10.9859 |
| 19/03/2019 02:00 | 10.978 |
| 19/03/2019 03:00 | 10.9672 |
| 19/03/2019 04:00 | 10.9532 |
| 19/03/2019 05:00 | 10.9502 |
| 19/03/2019 06:00 | 10.9502 |
| 19/03/2019 07:00 | 10.95 |
| 19/03/2019 08:00 | 10.9454 |
| 19/03/2019 09:00 | 10.9298 |
| 19/03/2019 10:00 | 10.9126 |
| 19/03/2019 11:00 | 10.8895 |
| 19/03/2019 12:00 | 10.8739 |
| 19/03/2019 13:00 | 10.8694 |
| 19/03/2019 14:00 | 10.8748 |
| 19/03/2019 15:00 | 10.9021 |
| 19/03/2019 16:00 | 10.9297 |
| 19/03/2019 17:00 | 10.9487 |
| 19/03/2019 18:00 | 10.9535 |
| 19/03/2019 19:00 | 10.9528 |
| 19/03/2019 20:00 | 10.9563 |
| 19/03/2019 21:00 | 10.9482 |
| 19/03/2019 22:00 | 10.937 |
| 19/03/2019 23:00 | 10.9275 |
| 20/03/2019 00:00 | 10.9218 |
| 20/03/2019 01:00 | 10.9171 |
| 20/03/2019 02:00 | 10.9169 |
| 20/03/2019 03:00 | 10.9164 |
| 20/03/2019 04:00 | 10.9264 |
| 20/03/2019 05:00 | 10.9341 |
| 20/03/2019 06:00 | 10.9343 |
| 20/03/2019 07:00 | 10.936 |
| 20/03/2019 08:00 | 10.9333 |
| 20/03/2019 09:00 | 10.9222 |
| 20/03/2019 10:00 | 10.9105 |
| 20/03/2019 11:00 | 10.8948 |
| 20/03/2019 12:00 | 10.8825 |
| 20/03/2019 13:00 | 10.8665 |
| 20/03/2019 14:00 | 10.8489 |
| 20/03/2019 15:00 | 10.8313 |
| 20/03/2019 16:00 | 10.805 |
| 20/03/2019 17:00 | 10.7736 |
| 20/03/2019 18:00 | 10.7419 |
| 20/03/2019 19:00 | 10.7309 |
| 20/03/2019 20:00 | 10.7358 |
| 20/03/2019 21:00 | 10.7607 |
| 20/03/2019 22:00 | 10.7983 |
| 20/03/2019 23:00 | 10.8492 |
| 21/03/2019 00:00 | 10.8937 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|---------------------------------------|
| 21/03/2019 01:00 | 10.9368 |
| 21/03/2019 02:00 | 10.9646 |
| 21/03/2019 03:00 | 10.9931 |
| 21/03/2019 04:00 | 10.9932 |
| 21/03/2019 05:00 | 10.9646 |
| 21/03/2019 06:00 | 10.8741 |
| 21/03/2019 07:00 | 10.7887 |
| 21/03/2019 08:00 | 10.7103 |
| 21/03/2019 09:00 | 10.6332 |
| 21/03/2019 10:00 | 10.5658 |
| 21/03/2019 11:00 | 10.5119 |
| 21/03/2019 12:00 | 10.4795 |
| 21/03/2019 13:00 | 10.4526 |
| 21/03/2019 14:00 | 10.4285 |
| 21/03/2019 15:00 | 10.4065 |
| 21/03/2019 16:00 | 10.3809 |
| 21/03/2019 17:00 | 10.3559 |
| 21/03/2019 18:00 | 10.3353 |
| 21/03/2019 19:00 | 10.3227 |
| 21/03/2019 20:00 | 10.3174 |
| 21/03/2019 21:00 | 10.3217 |
| 21/03/2019 22:00 | 10.333 |
| 21/03/2019 23:00 | 10.3329 |
| 22/03/2019 00:00 | 10.3294 |
| 22/03/2019 01:00 | 10.3231 |
| 22/03/2019 02:00 | 10.3234 |
| 22/03/2019 03:00 | 10.3396 |
| 22/03/2019 04:00 | 10.3708 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 39 KM-100 | 10.9186 |
| 16/03/2019 | CRE 39 KM-100 | 11.0069 |
| 17/03/2019 | CRE 39 KM-100 | 10.9261 |
| 18/03/2019 | CRE 39 KM-100 | 10.9506 |
| 19/03/2019 | CRE 39 KM-100 | 10.9226 |
| 20/03/2019 | CRE 39 KM-100 | 10.853 |
| 21/03/2019 | CRE 39 KM-100 | 10.3961 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 09:00 | 10.8857 |
| 15/03/2019 10:00 | 10.8947 |
| 15/03/2019 11:00 | 10.9114 |
| 15/03/2019 12:00 | 10.9262 |
| 15/03/2019 13:00 | 10.9463 |
| 15/03/2019 14:00 | 10.9801 |
| 15/03/2019 15:00 | 11.0161 |
| 15/03/2019 16:00 | 11.0411 |
| 15/03/2019 17:00 | 11.0489 |
| 15/03/2019 18:00 | 11.0405 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 19:00 | 11.01 |
| 15/03/2019 20:00 | 10.964 |
| 15/03/2019 21:00 | 10.9211 |
| 15/03/2019 22:00 | 10.8738 |
| 15/03/2019 23:00 | 10.8431 |
| 16/03/2019 00:00 | 10.8372 |
| 16/03/2019 01:00 | 10.8377 |
| 16/03/2019 02:00 | 10.8405 |
| 16/03/2019 03:00 | 10.8438 |
| 16/03/2019 04:00 | 10.8486 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 05:00 | 10.8559 |
| 16/03/2019 06:00 | 10.8752 |
| 16/03/2019 07:00 | 10.8959 |
| 16/03/2019 08:00 | 10.9094 |
| 16/03/2019 09:00 | 10.9299 |
| 16/03/2019 10:00 | 10.9426 |
| 16/03/2019 11:00 | 10.9407 |
| 16/03/2019 12:00 | 10.9489 |
| 16/03/2019 13:00 | 10.9482 |
| 16/03/2019 14:00 | 10.9496 |
| 16/03/2019 15:00 | 10.9538 |
| 16/03/2019 16:00 | 10.9559 |
| 16/03/2019 17:00 | 10.9523 |
| 16/03/2019 18:00 | 10.9497 |
| 16/03/2019 19:00 | 10.9373 |
| 16/03/2019 20:00 | 10.924 |
| 16/03/2019 21:00 | 10.9248 |
| 16/03/2019 22:00 | 10.923 |
| 16/03/2019 23:00 | 10.9234 |
| 17/03/2019 00:00 | 10.9508 |
| 17/03/2019 01:00 | 11.0126 |
| 17/03/2019 02:00 | 11.1125 |
| 17/03/2019 03:00 | 11.1763 |
| 17/03/2019 04:00 | 11.1998 |
| 17/03/2019 05:00 | 11.1841 |
| 17/03/2019 06:00 | 11.1671 |
| 17/03/2019 07:00 | 11.144 |
| 17/03/2019 08:00 | 11.1145 |
| 17/03/2019 09:00 | 11.1013 |
| 17/03/2019 10:00 | 11.0726 |
| 17/03/2019 11:00 | 11.0318 |
| 17/03/2019 12:00 | 10.9937 |
| 17/03/2019 13:00 | 10.952 |
| 17/03/2019 14:00 | 10.9266 |
| 17/03/2019 15:00 | 10.9074 |
| 17/03/2019 16:00 | 10.8954 |
| 17/03/2019 17:00 | 10.8875 |
| 17/03/2019 18:00 | 10.8818 |
| 17/03/2019 19:00 | 10.8892 |
| 17/03/2019 20:00 | 10.8992 |
| 17/03/2019 21:00 | 10.9035 |
| 17/03/2019 22:00 | 10.904 |
| 17/03/2019 23:00 | 10.8979 |
| 18/03/2019 00:00 | 10.8939 |
| 18/03/2019 01:00 | 10.8962 |
| 18/03/2019 02:00 | 10.91 |
| 18/03/2019 03:00 | 10.9144 |
| 18/03/2019 04:00 | 10.9136 |
| 18/03/2019 05:00 | 10.9059 |
| 18/03/2019 06:00 | 10.8893 |
| 18/03/2019 07:00 | 10.8868 |
| 18/03/2019 08:00 | 10.8735 |
| 18/03/2019 09:00 | 10.8694 |
| 18/03/2019 10:00 | 10.8696 |
| 18/03/2019 11:00 | 10.8903 |
| 18/03/2019 12:00 | 10.9082 |
| 18/03/2019 13:00 | 10.9271 |
| 18/03/2019 14:00 | 10.945 |
| 18/03/2019 15:00 | 10.9563 |
| 18/03/2019 16:00 | 10.9636 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 17:00 | 10.9679 |
| 18/03/2019 18:00 | 10.9724 |
| 18/03/2019 19:00 | 10.9684 |
| 18/03/2019 20:00 | 10.9714 |
| 18/03/2019 21:00 | 10.9771 |
| 18/03/2019 22:00 | 10.9818 |
| 18/03/2019 23:00 | 10.9842 |
| 19/03/2019 00:00 | 10.9814 |
| 19/03/2019 01:00 | 10.9859 |
| 19/03/2019 02:00 | 10.978 |
| 19/03/2019 03:00 | 10.9672 |
| 19/03/2019 04:00 | 10.9532 |
| 19/03/2019 05:00 | 10.9502 |
| 19/03/2019 06:00 | 10.9502 |
| 19/03/2019 07:00 | 10.95 |
| 19/03/2019 08:00 | 10.9454 |
| 19/03/2019 09:00 | 10.9298 |
| 19/03/2019 10:00 | 10.9126 |
| 19/03/2019 11:00 | 10.8895 |
| 19/03/2019 12:00 | 10.8739 |
| 19/03/2019 13:00 | 10.8694 |
| 19/03/2019 14:00 | 10.8748 |
| 19/03/2019 15:00 | 10.9021 |
| 19/03/2019 16:00 | 10.9297 |
| 19/03/2019 17:00 | 10.9487 |
| 19/03/2019 18:00 | 10.9535 |
| 19/03/2019 19:00 | 10.9528 |
| 19/03/2019 20:00 | 10.9563 |
| 19/03/2019 21:00 | 10.9482 |
| 19/03/2019 22:00 | 10.937 |
| 19/03/2019 23:00 | 10.9275 |
| 20/03/2019 00:00 | 10.9218 |
| 20/03/2019 01:00 | 10.9171 |
| 20/03/2019 02:00 | 10.9169 |
| 20/03/2019 03:00 | 10.9164 |
| 20/03/2019 04:00 | 10.9264 |
| 20/03/2019 05:00 | 10.9341 |
| 20/03/2019 06:00 | 10.9343 |
| 20/03/2019 07:00 | 10.936 |
| 20/03/2019 08:00 | 10.9333 |
| 20/03/2019 09:00 | 10.9222 |
| 20/03/2019 10:00 | 10.9105 |
| 20/03/2019 11:00 | 10.8948 |
| 20/03/2019 12:00 | 10.8825 |
| 20/03/2019 13:00 | 10.8665 |
| 20/03/2019 14:00 | 10.8489 |
| 20/03/2019 15:00 | 10.8313 |
| 20/03/2019 16:00 | 10.805 |
| 20/03/2019 17:00 | 10.7736 |
| 20/03/2019 18:00 | 10.7419 |
| 20/03/2019 19:00 | 10.7309 |
| 20/03/2019 20:00 | 10.7358 |
| 20/03/2019 21:00 | 10.7607 |
| 20/03/2019 22:00 | 10.7983 |
| 20/03/2019 23:00 | 10.8492 |
| 21/03/2019 00:00 | 10.8937 |
| 21/03/2019 01:00 | 10.9368 |
| 21/03/2019 02:00 | 10.9646 |
| 21/03/2019 03:00 | 10.9931 |
| 21/03/2019 04:00 | 10.9932 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|-----------------------------------|
| 21/03/2019 05:00 | 10.9646 |
| 21/03/2019 06:00 | 10.8741 |
| 21/03/2019 07:00 | 10.7887 |
| 21/03/2019 08:00 | 10.7103 |
| 21/03/2019 09:00 | 10.6332 |
| 21/03/2019 10:00 | 10.5658 |
| 21/03/2019 11:00 | 10.5119 |
| 21/03/2019 12:00 | 10.4795 |
| 21/03/2019 13:00 | 10.4526 |
| 21/03/2019 14:00 | 10.4285 |
| 21/03/2019 15:00 | 10.4065 |
| 21/03/2019 16:00 | 10.3809 |
| 21/03/2019 17:00 | 10.3559 |
| 21/03/2019 18:00 | 10.3353 |
| 21/03/2019 19:00 | 10.3227 |
| 21/03/2019 20:00 | 10.3174 |
| 21/03/2019 21:00 | 10.3217 |
| 21/03/2019 22:00 | 10.333 |
| 21/03/2019 23:00 | 10.3329 |
| 22/03/2019 00:00 | 10.3294 |
| 22/03/2019 01:00 | 10.3231 |
| 22/03/2019 02:00 | 10.3234 |
| 22/03/2019 03:00 | 10.3396 |
| 22/03/2019 04:00 | 10.3708 |
| 22/03/2019 05:00 | 10.3846 |
| 22/03/2019 06:00 | 10.4017 |
| 22/03/2019 07:00 | 10.4159 |
| 22/03/2019 08:00 | 10.4397 |

REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

PARAMETRO FUERA DE ESPECIFICACIÓN:
ZONA: SUR
Total de inertes

| Metano (CH4) %vol (83.0000) | Etano %vol (11.0000) | Nitrógeno (N2) %vol (8.0000) Desv. máxima: 1.5000 | Bióxido de Carbono (CO2) %vol (3.0000) | Total de inertes (CO2 y N2) %vol (8.0000) | Poder calorífico MJ/m3 (36.0600 - 43.6000) | Índice Wobbe MJ/m3 (47.3000 - 53.2000) Desv. máxima: 5.0000 | Temperatura de rocío de hidrocarburos °K (271.1500) | Humedad mg/m3 (110.0000) | Acido sulfhídrico (H2S) mg/m3 (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 |
|--|---|------------------|
| 15/03/2019 | CRE 40 CPG Nuevo Pemex | 12.7276 |
| 16/03/2019 | CRE 40 CPG Nuevo Pemex | 12.5136 |
| 17/03/2019 | CRE 40 CPG Nuevo Pemex | 13.5498 |
| 18/03/2019 | CRE 40 CPG Nuevo Pemex | 13.066 |
| 19/03/2019 | CRE 40 CPG Nuevo Pemex | 12.0892 |
| 20/03/2019 | CRE 40 CPG Nuevo Pemex | 12.2002 |
| 21/03/2019 | CRE 40 CPG Nuevo Pemex | 12.5318 |

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

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 05:00 | 12.8753 |
| 15/03/2019 06:00 | 12.9001 |
| 15/03/2019 07:00 | 12.9738 |
| 15/03/2019 08:00 | 13.1259 |
| 15/03/2019 09:00 | 13.0872 |
| 15/03/2019 10:00 | 13.0133 |
| 15/03/2019 11:00 | 12.9747 |
| 15/03/2019 12:00 | 12.9794 |
| 15/03/2019 13:00 | 13.0834 |
| 15/03/2019 14:00 | 12.6526 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 15/03/2019 15:00 | 12.8142 |
| 15/03/2019 16:00 | 12.9386 |
| 15/03/2019 17:00 | 13.2392 |
| 15/03/2019 18:00 | 12.6999 |
| 15/03/2019 19:00 | 12.4577 |
| 15/03/2019 20:00 | 12.2496 |
| 15/03/2019 21:00 | 12.2773 |
| 15/03/2019 22:00 | 12.3918 |
| 15/03/2019 23:00 | 12.3071 |
| 16/03/2019 00:00 | 12.1099 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 16/03/2019 01:00 | 12.1154 |
| 16/03/2019 02:00 | 12.5739 |
| 16/03/2019 03:00 | 13.119 |
| 16/03/2019 04:00 | 12.5021 |
| 16/03/2019 05:00 | 11.909 |
| 16/03/2019 06:00 | 11.7528 |
| 16/03/2019 07:00 | 12.3582 |
| 16/03/2019 08:00 | 12.5521 |
| 16/03/2019 09:00 | 12.2966 |
| 16/03/2019 10:00 | 11.927 |
| 16/03/2019 11:00 | 12.0695 |
| 16/03/2019 12:00 | 12.1656 |
| 16/03/2019 13:00 | 12.4275 |
| 16/03/2019 14:00 | 12.3067 |
| 16/03/2019 15:00 | 12.5129 |
| 16/03/2019 16:00 | 12.5281 |
| 16/03/2019 17:00 | 12.6461 |
| 16/03/2019 18:00 | 12.6696 |
| 16/03/2019 19:00 | 13.0456 |
| 16/03/2019 20:00 | 12.3581 |
| 16/03/2019 21:00 | 12.2974 |
| 16/03/2019 22:00 | 12.7589 |
| 16/03/2019 23:00 | 13.0256 |
| 17/03/2019 00:00 | 12.8627 |
| 17/03/2019 01:00 | 12.7552 |
| 17/03/2019 02:00 | 12.3458 |
| 17/03/2019 03:00 | 13.2997 |
| 17/03/2019 04:00 | 13.4552 |
| 17/03/2019 05:00 | 13.4795 |
| 17/03/2019 06:00 | 13.1457 |
| 17/03/2019 07:00 | 13.1454 |
| 17/03/2019 08:00 | 13.1114 |
| 17/03/2019 09:00 | 13.3869 |
| 17/03/2019 10:00 | 13.5077 |
| 17/03/2019 11:00 | 13.2775 |
| 17/03/2019 12:00 | 13.169 |
| 17/03/2019 13:00 | 13.3087 |
| 17/03/2019 14:00 | 13.2406 |
| 17/03/2019 15:00 | 13.1318 |
| 17/03/2019 16:00 | 13.4637 |
| 17/03/2019 17:00 | 14.034 |
| 17/03/2019 18:00 | 13.9618 |
| 17/03/2019 19:00 | 13.904 |
| 17/03/2019 20:00 | 13.8536 |
| 17/03/2019 21:00 | 13.7164 |
| 17/03/2019 22:00 | 13.5973 |
| 17/03/2019 23:00 | 13.5452 |
| 18/03/2019 00:00 | 13.649 |
| 18/03/2019 01:00 | 13.7829 |
| 18/03/2019 02:00 | 13.9895 |
| 18/03/2019 03:00 | 13.8832 |
| 18/03/2019 04:00 | 13.9099 |
| 18/03/2019 05:00 | 13.9191 |
| 18/03/2019 06:00 | 13.7824 |
| 18/03/2019 07:00 | 13.4456 |
| 18/03/2019 08:00 | 13.5842 |
| 18/03/2019 09:00 | 13.748 |
| 18/03/2019 10:00 | 13.6654 |
| 18/03/2019 11:00 | 14.051 |
| 18/03/2019 12:00 | 13.6315 |

| Fecha y Hora | Total de inertes Prom/Hora |
|------------------|----------------------------|
| 18/03/2019 13:00 | 13.0946 |
| 18/03/2019 14:00 | 12.5099 |
| 18/03/2019 15:00 | 12.5888 |
| 18/03/2019 16:00 | 12.5945 |
| 18/03/2019 17:00 | 12.7322 |
| 18/03/2019 18:00 | 12.8468 |
| 18/03/2019 19:00 | 12.8463 |
| 18/03/2019 20:00 | 12.8938 |
| 18/03/2019 21:00 | 12.6481 |
| 18/03/2019 22:00 | 12.5586 |
| 18/03/2019 23:00 | 12.6796 |
| 19/03/2019 00:00 | 12.6487 |
| 19/03/2019 01:00 | 12.4901 |
| 19/03/2019 02:00 | 12.6382 |
| 19/03/2019 03:00 | 13.0498 |
| 19/03/2019 04:00 | 12.9364 |
| 19/03/2019 05:00 | 12.5902 |
| 19/03/2019 06:00 | 12.5414 |
| 19/03/2019 07:00 | 12.723 |
| 19/03/2019 08:00 | 12.5145 |
| 19/03/2019 09:00 | 12.7526 |
| 19/03/2019 10:00 | 12.5235 |
| 19/03/2019 11:00 | 12.1891 |
| 19/03/2019 12:00 | 11.8412 |
| 19/03/2019 13:00 | 12.1235 |
| 19/03/2019 14:00 | 11.7729 |
| 19/03/2019 15:00 | 11.5747 |
| 19/03/2019 16:00 | 11.7548 |
| 19/03/2019 17:00 | 11.7936 |
| 19/03/2019 18:00 | 11.9517 |
| 19/03/2019 19:00 | 11.8804 |
| 19/03/2019 20:00 | 11.8094 |
| 19/03/2019 21:00 | 11.8612 |
| 19/03/2019 22:00 | 11.96 |
| 19/03/2019 23:00 | 12.0753 |
| 20/03/2019 00:00 | 12.0609 |
| 20/03/2019 01:00 | 12.1259 |
| 20/03/2019 02:00 | 12.0016 |
| 20/03/2019 03:00 | 11.8931 |
| 20/03/2019 04:00 | 11.8255 |
| 20/03/2019 05:00 | 11.9529 |
| 20/03/2019 06:00 | 11.9343 |
| 20/03/2019 07:00 | 12.0354 |
| 20/03/2019 08:00 | 12.0854 |
| 20/03/2019 09:00 | 12.0828 |
| 20/03/2019 10:00 | 12.4255 |
| 20/03/2019 11:00 | 12.6526 |
| 20/03/2019 12:00 | 12.6091 |
| 20/03/2019 13:00 | 12.3652 |
| 20/03/2019 14:00 | 12.2734 |
| 20/03/2019 15:00 | 12.248 |
| 20/03/2019 16:00 | 12.3275 |
| 20/03/2019 17:00 | 12.3359 |
| 20/03/2019 18:00 | 12.1228 |
| 20/03/2019 19:00 | 12.2545 |
| 20/03/2019 20:00 | 12.1995 |
| 20/03/2019 21:00 | 12.1843 |
| 20/03/2019 22:00 | 12.1757 |
| 20/03/2019 23:00 | 12.1449 |
| 21/03/2019 00:00 | 11.9434 |

| Fecha y Hora | Total de inertes Prom/Hora |
|---------------------|---------------------------------------|
| 21/03/2019 01:00 | 12.1763 |
| 21/03/2019 02:00 | 12.1676 |
| 21/03/2019 03:00 | 12.1763 |
| 21/03/2019 04:00 | 11.9313 |
| 21/03/2019 05:00 | 12.2274 |
| 21/03/2019 06:00 | 12.2048 |
| 21/03/2019 07:00 | 12.3188 |
| 21/03/2019 08:00 | 12.2587 |
| 21/03/2019 09:00 | 12.2598 |
| 21/03/2019 10:00 | 12.3994 |
| 21/03/2019 11:00 | 12.5037 |
| 21/03/2019 12:00 | 12.7187 |
| 21/03/2019 13:00 | 12.6777 |
| 21/03/2019 14:00 | 12.0803 |
| 21/03/2019 15:00 | 12.1953 |
| 21/03/2019 16:00 | 12.2996 |
| 21/03/2019 17:00 | 12.4222 |
| 21/03/2019 18:00 | 12.5213 |
| 21/03/2019 19:00 | 12.3605 |
| 21/03/2019 20:00 | 12.2612 |
| 21/03/2019 21:00 | 12.2951 |
| 21/03/2019 22:00 | 12.4637 |
| 21/03/2019 23:00 | 12.4205 |
| 22/03/2019 00:00 | 12.8715 |
| 22/03/2019 01:00 | 13.0532 |
| 22/03/2019 02:00 | 13.1462 |
| 22/03/2019 03:00 | 13.3562 |
| 22/03/2019 04:00 | 13.4483 |