

## REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

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

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
								<b>X</b>	

**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
23/01/2018	CRE 38 CPG Cactus	112.8992
24/01/2018	CRE 38 CPG Cactus	128.7309
25/01/2018	CRE 38 CPG Cactus	154.3013
26/01/2018	CRE 38 CPG Cactus	176.56
27/01/2018	CRE 38 CPG Cactus	121.0261
28/01/2018	CRE 38 CPG Cactus	129.099
29/01/2018	CRE 38 CPG Cactus	133.2341
30/01/2018	CRE 38 CPG Cactus	143.6237

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

Fecha y Hora	Humedad Prom/Hora
23/01/2018 05:00	143.6007
23/01/2018 06:00	141.9492
23/01/2018 07:00	145.2175
23/01/2018 08:00	91.2178
23/01/2018 09:00	81.5394
23/01/2018 10:00	90.843
23/01/2018 11:00	101.5332
23/01/2018 12:00	114.1525
23/01/2018 13:00	129.8991
23/01/2018 14:00	120.5055

Fecha y Hora	Humedad Prom/Hora
23/01/2018 15:00	84.9659
23/01/2018 16:00	79.3745
23/01/2018 17:00	100.6236
23/01/2018 18:00	134.6538
23/01/2018 19:00	142.2974
23/01/2018 20:00	100.0095
23/01/2018 21:00	114.5012
23/01/2018 22:00	123.2105
23/01/2018 23:00	123.434
24/01/2018 00:00	141.2186

Fecha y Hora	Humedad Prom/Hora
24/01/2018 01:00	99.2509
24/01/2018 02:00	78.2756
24/01/2018 03:00	83.7061
24/01/2018 04:00	143.6007
24/01/2018 05:00	109.6886
24/01/2018 06:00	140.4279
24/01/2018 07:00	109.6886
24/01/2018 08:00	119.099
24/01/2018 09:00	119.4214
24/01/2018 10:00	128.0719
24/01/2018 11:00	129.64
24/01/2018 12:00	116.3239
24/01/2018 13:00	83.5259
24/01/2018 14:00	88.1062
24/01/2018 15:00	102.3344
24/01/2018 16:00	111.4084
24/01/2018 17:00	143.9218
24/01/2018 18:00	146.9249
24/01/2018 19:00	148.7275
24/01/2018 20:00	138.8419
24/01/2018 21:00	134.2622
24/01/2018 22:00	166.0492
24/01/2018 23:00	166.0492
25/01/2018 00:00	155.0612
25/01/2018 01:00	115.2611
25/01/2018 02:00	107.8671
25/01/2018 03:00	168.6084
25/01/2018 04:00	140.2295
25/01/2018 05:00	150.3894
25/01/2018 06:00	131.3664
25/01/2018 07:00	127.8228
25/01/2018 08:00	99.2466
25/01/2018 09:00	97.4839
25/01/2018 10:00	72.1519
25/01/2018 11:00	151.067
25/01/2018 12:00	189.2757
25/01/2018 13:00	289.2868
25/01/2018 14:00	289.4737
25/01/2018 15:00	287.9276
25/01/2018 16:00	246.8067
25/01/2018 17:00	231.1125
25/01/2018 18:00	116.6786
25/01/2018 19:00	122.8736
25/01/2018 20:00	131.4299
25/01/2018 21:00	150.4269
25/01/2018 22:00	133.5142
25/01/2018 23:00	111.8916
26/01/2018 00:00	115.7261
26/01/2018 01:00	113.6252
26/01/2018 02:00	111.4069
26/01/2018 03:00	107.6281
26/01/2018 04:00	124.6205
26/01/2018 05:00	143.6007
26/01/2018 06:00	141.9492
26/01/2018 07:00	145.2175
26/01/2018 08:00	91.2178
26/01/2018 09:00	81.5394
26/01/2018 10:00	90.843
26/01/2018 11:00	101.5332
26/01/2018 12:00	231.1125

Fecha y Hora	Humedad Prom/Hora
26/01/2018 13:00	231.1125
26/01/2018 14:00	231.1125
26/01/2018 15:00	109.273
26/01/2018 16:00	109.3736
26/01/2018 17:00	109.273
26/01/2018 18:00	197.306
26/01/2018 19:00	180.336
26/01/2018 20:00	152.237
26/01/2018 21:00	151.8139
26/01/2018 22:00	153.4432
26/01/2018 23:00	201.4199
27/01/2018 00:00	289.4737
27/01/2018 01:00	289.4737
27/01/2018 02:00	289.4737
27/01/2018 03:00	262.6993
27/01/2018 04:00	252.6058
27/01/2018 05:00	161.6469
27/01/2018 06:00	113.7323
27/01/2018 07:00	108.2029
27/01/2018 08:00	122.2224
27/01/2018 09:00	136.6387
27/01/2018 10:00	134.4329
27/01/2018 11:00	103.4601
27/01/2018 12:00	95.0491
27/01/2018 13:00	102.9914
27/01/2018 14:00	207.109
27/01/2018 15:00	215.4189
27/01/2018 16:00	116.0495
27/01/2018 17:00	95.7426
27/01/2018 18:00	96.3763
27/01/2018 19:00	109.9244
27/01/2018 20:00	113.0245
27/01/2018 21:00	126.4677
27/01/2018 22:00	122.0827
27/01/2018 23:00	91.8807
28/01/2018 00:00	91.7662
28/01/2018 01:00	103.9204
28/01/2018 02:00	121.7279
28/01/2018 03:00	126.7922
28/01/2018 04:00	87.9666
28/01/2018 05:00	98.5396
28/01/2018 06:00	101.9551
28/01/2018 07:00	108.1052
28/01/2018 08:00	111.9824
28/01/2018 09:00	117.7026
28/01/2018 10:00	93.3288
28/01/2018 11:00	98.6109
28/01/2018 12:00	179.9552
28/01/2018 13:00	148.1989
28/01/2018 14:00	131.0651
28/01/2018 15:00	151.2001
28/01/2018 16:00	148.2124
28/01/2018 17:00	110.0007
28/01/2018 18:00	120.1481
28/01/2018 19:00	123.6389
28/01/2018 20:00	121.7399
28/01/2018 21:00	97.7874
28/01/2018 22:00	106.1373
28/01/2018 23:00	122.9395
29/01/2018 00:00	127.5364

<b>Fecha y Hora</b>	<b>Humedad Prom/Hora</b>
29/01/2018 01:00	140.787
29/01/2018 02:00	189.5646
29/01/2018 03:00	184.4711
29/01/2018 04:00	164.7699
29/01/2018 05:00	168.3086
29/01/2018 06:00	146.9506
29/01/2018 07:00	145.4128
29/01/2018 08:00	151.7529
29/01/2018 09:00	130.3281
29/01/2018 10:00	116.3161
29/01/2018 11:00	138.9063
29/01/2018 12:00	145.4128
29/01/2018 13:00	151.7529
29/01/2018 14:00	130.3281
29/01/2018 15:00	174.5425
29/01/2018 16:00	163.5747
29/01/2018 17:00	136.8866
29/01/2018 18:00	124.0548
29/01/2018 19:00	129.354
29/01/2018 20:00	102.1125
29/01/2018 21:00	95.9442
29/01/2018 22:00	108.4129
29/01/2018 23:00	130.1566
30/01/2018 00:00	135.3671
30/01/2018 01:00	137.9496
30/01/2018 02:00	119.8071
30/01/2018 03:00	104.8609
30/01/2018 04:00	109.1246
30/01/2018 05:00	109.9133
30/01/2018 06:00	119.7513
30/01/2018 07:00	104.3131
30/01/2018 08:00	97.5249
30/01/2018 09:00	104.4663
30/01/2018 10:00	101.585
30/01/2018 11:00	111.3972
30/01/2018 12:00	103.4436
30/01/2018 13:00	87.7988
30/01/2018 14:00	103.4428
30/01/2018 15:00	102.3578
30/01/2018 16:00	95.7396
30/01/2018 17:00	121.9819
30/01/2018 18:00	109.0435
30/01/2018 19:00	82.2047
30/01/2018 20:00	185.1597
30/01/2018 21:00	200.28
30/01/2018 22:00	200.8545
30/01/2018 23:00	184.2301
31/01/2018 00:00	188.7554
31/01/2018 01:00	289.4737
31/01/2018 02:00	281.571
31/01/2018 03:00	183.9602
31/01/2018 04:00	177.7219

## REPORTE DE PROPIEDADES FUERA DE ESPECIFICACIÓN

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

Acido sulfhídrico

Metano (CH4) %vol ( 84.0000 )	Etano %vol ( 11.0000 )	Nitrógeno (N2) %vol ( 4.0000 ) Desv. máxima: 1.5000	Bióxido de Carbono (CO2) %vol ( 3.0000 )	Total de inertes (CO2 y N2) %vol ( 4.0000 )	Poder calorífico MJ/m3 ( 37.3000 - 43.6000 )	Índice Wobbe MJ/m3 ( 48.2000 - 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
									<b>X</b>

**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
22/01/2018	CRE 45 CPG Burgos 4	11.7834
23/01/2018	CRE 45 CPG Burgos 4	16.1538
24/01/2018	CRE 45 CPG Burgos 4	18.3787
25/01/2018	CRE 45 CPG Burgos 4	17.3572
26/01/2018	CRE 45 CPG Burgos 4	18.0954
27/01/2018	CRE 45 CPG Burgos 4	17.2895
28/01/2018	CRE 45 CPG Burgos 4	18.43
29/01/2018	CRE 45 CPG Burgos 4	17.5861
30/01/2018	CRE 45 CPG Burgos 4	15.1079
31/01/2018	CRE 45 CPG Burgos 4	15.2652

**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
22/01/2018 05:00	4.1582
22/01/2018 06:00	4.8969
22/01/2018 07:00	5.3318
22/01/2018 08:00	5.5197
22/01/2018 09:00	4.9087
22/01/2018 10:00	4.757
22/01/2018 11:00	5.4471
22/01/2018 12:00	5.9351
22/01/2018 13:00	8.1099
22/01/2018 14:00	10.5625

Fecha y Hora	Acido sulfhídrico Prom/Hora
22/01/2018 15:00	10.6238
22/01/2018 16:00	12.9955
22/01/2018 17:00	12.6542
22/01/2018 18:00	16.8657
22/01/2018 19:00	19.1158
22/01/2018 20:00	18.8816
22/01/2018 21:00	17.222
22/01/2018 22:00	16.02
22/01/2018 23:00	14.0894
23/01/2018 00:00	16.8987

Fecha y Hora	Acido sulfhídrico Prom/Hora
23/01/2018 01:00	18.6009
23/01/2018 02:00	18.3265
23/01/2018 03:00	16.2922
23/01/2018 04:00	14.5878
23/01/2018 05:00	11.7955
23/01/2018 06:00	13.4257
23/01/2018 07:00	13.5392
23/01/2018 08:00	13.2609
23/01/2018 09:00	12.0595
23/01/2018 10:00	11.5385
23/01/2018 11:00	10.7527
23/01/2018 12:00	15.7036
23/01/2018 13:00	17.7528
23/01/2018 14:00	19.2957
23/01/2018 15:00	17.9502
23/01/2018 16:00	15.5186
23/01/2018 17:00	14.603
23/01/2018 18:00	17.2338
23/01/2018 19:00	17.0661
23/01/2018 20:00	19.2899
23/01/2018 21:00	18.635
23/01/2018 22:00	17.8179
23/01/2018 23:00	15.9037
24/01/2018 00:00	20.387
24/01/2018 01:00	19.2549
24/01/2018 02:00	19.5023
24/01/2018 03:00	17.6986
24/01/2018 04:00	17.7054
24/01/2018 05:00	15.8643
24/01/2018 06:00	19.4426
24/01/2018 07:00	18.7419
24/01/2018 08:00	18.3926
24/01/2018 09:00	16.8615
24/01/2018 10:00	16.6143
24/01/2018 11:00	15.5274
24/01/2018 12:00	18.2094
24/01/2018 13:00	18.2999
24/01/2018 14:00	18.2637
24/01/2018 15:00	16.3425
24/01/2018 16:00	17.2961
24/01/2018 17:00	16.0925
24/01/2018 18:00	19.6096
24/01/2018 19:00	19.9038
24/01/2018 20:00	20.0181
24/01/2018 21:00	20.0834
24/01/2018 22:00	19.3314
24/01/2018 23:00	16.9882
25/01/2018 00:00	21.9749
25/01/2018 01:00	20.0009
25/01/2018 02:00	20.2943
25/01/2018 03:00	18.9689
25/01/2018 04:00	17.9664
25/01/2018 05:00	16.4666
25/01/2018 06:00	18.8375
25/01/2018 07:00	18.6356
25/01/2018 08:00	19.0928
25/01/2018 09:00	19.0135
25/01/2018 10:00	17.1706
25/01/2018 11:00	14.4894
25/01/2018 12:00	15.9738

Fecha y Hora	Acido sulfhídrico Prom/Hora
25/01/2018 13:00	18.5677
25/01/2018 14:00	18.8391
25/01/2018 15:00	17.9962
25/01/2018 16:00	16.8607
25/01/2018 17:00	14.6474
25/01/2018 18:00	17.3201
25/01/2018 19:00	17.9528
25/01/2018 20:00	18.203
25/01/2018 21:00	17.8295
25/01/2018 22:00	16.4602
25/01/2018 23:00	14.7231
26/01/2018 00:00	16.1203
26/01/2018 01:00	17.6606
26/01/2018 02:00	17.925
26/01/2018 03:00	18.151
26/01/2018 04:00	17.6368
26/01/2018 05:00	16.4456
26/01/2018 06:00	18.5961
26/01/2018 07:00	19.7847
26/01/2018 08:00	18.7619
26/01/2018 09:00	17.7721
26/01/2018 10:00	16.7806
26/01/2018 11:00	15.8929
26/01/2018 12:00	16.8235
26/01/2018 13:00	19.7117
26/01/2018 14:00	18.9594
26/01/2018 15:00	18.8662
26/01/2018 16:00	18.7599
26/01/2018 17:00	16.5382
26/01/2018 18:00	17.8721
26/01/2018 19:00	20.8796
26/01/2018 20:00	20.8446
26/01/2018 21:00	19.6228
26/01/2018 22:00	18.1538
26/01/2018 23:00	16.4616
27/01/2018 00:00	15.287
27/01/2018 01:00	17.7937
27/01/2018 02:00	17.8643
27/01/2018 03:00	18.8538
27/01/2018 04:00	16.9634
27/01/2018 05:00	16.438
27/01/2018 06:00	16.0386
27/01/2018 07:00	19.3049
27/01/2018 08:00	18.4216
27/01/2018 09:00	17.5695
27/01/2018 10:00	15.7632
27/01/2018 11:00	14.2301
27/01/2018 12:00	14.2948
27/01/2018 13:00	17.2943
27/01/2018 14:00	16.8877
27/01/2018 15:00	17.8067
27/01/2018 16:00	17.1163
27/01/2018 17:00	14.6693
27/01/2018 18:00	14.089
27/01/2018 19:00	17.6271
27/01/2018 20:00	18.5079
27/01/2018 21:00	19.7321
27/01/2018 22:00	18.0453
27/01/2018 23:00	17.0679
28/01/2018 00:00	16.3435

Fecha y Hora	Acido sulfhídrico Prom/Hora
28/01/2018 01:00	20.6356
28/01/2018 02:00	20.4649
28/01/2018 03:00	18.7823
28/01/2018 04:00	17.8181
28/01/2018 05:00	16.9358
28/01/2018 06:00	16.973
28/01/2018 07:00	18.2322
28/01/2018 08:00	20.079
28/01/2018 09:00	19.629
28/01/2018 10:00	19.1784
28/01/2018 11:00	17.4592
28/01/2018 12:00	16.4312
28/01/2018 13:00	20.1128
28/01/2018 14:00	20.4665
28/01/2018 15:00	19.9517
28/01/2018 16:00	18.0591
28/01/2018 17:00	16.3743
28/01/2018 18:00	15.1011
28/01/2018 19:00	18.0785
28/01/2018 20:00	18.2857
28/01/2018 21:00	19.7415
28/01/2018 22:00	19.1352
28/01/2018 23:00	17.7887
29/01/2018 00:00	16.4119
29/01/2018 01:00	18.6592
29/01/2018 02:00	19.7189
29/01/2018 03:00	20.3782
29/01/2018 04:00	19.1392
29/01/2018 05:00	17.4778
29/01/2018 06:00	16.8385
29/01/2018 07:00	17.6183
29/01/2018 08:00	18.3794
29/01/2018 09:00	18.2392
29/01/2018 10:00	17.1317
29/01/2018 11:00	15.975
29/01/2018 12:00	15.549
29/01/2018 13:00	18.6013
29/01/2018 14:00	20.2823
29/01/2018 15:00	19.8636
29/01/2018 16:00	20.2153
29/01/2018 17:00	16.1067
29/01/2018 18:00	14.6953
29/01/2018 19:00	14.313
29/01/2018 20:00	17.1453
29/01/2018 21:00	18.216
29/01/2018 22:00	19.2407
29/01/2018 23:00	17.5801
30/01/2018 00:00	17.8645
30/01/2018 01:00	16.3249
30/01/2018 02:00	17.9656
30/01/2018 03:00	18.0647
30/01/2018 04:00	18.3792
30/01/2018 05:00	16.9069
30/01/2018 06:00	16.0122
30/01/2018 07:00	13.5238
30/01/2018 08:00	15.9456
30/01/2018 09:00	16.3649
30/01/2018 10:00	14.9117
30/01/2018 11:00	13.4347
30/01/2018 12:00	12.4963

Fecha y Hora	Acido sulfhídrico Prom/Hora
30/01/2018 13:00	10.382
30/01/2018 14:00	12.3172
30/01/2018 15:00	13.6094
30/01/2018 16:00	16.6982
30/01/2018 17:00	15.1395
30/01/2018 18:00	13.5812
30/01/2018 19:00	11.9849
30/01/2018 20:00	15.1871
30/01/2018 21:00	16.8329
30/01/2018 22:00	17.1275
30/01/2018 23:00	16.7476
31/01/2018 00:00	16.9248
31/01/2018 01:00	14.3492
31/01/2018 02:00	17.8651
31/01/2018 03:00	17.3777
31/01/2018 04:00	16.8703
31/01/2018 05:00	15.6159
31/01/2018 06:00	14.814
31/01/2018 07:00	12.8576
31/01/2018 08:00	13.6775
31/01/2018 09:00	15.4431
31/01/2018 10:00	15.7846
31/01/2018 11:00	15.3577
31/01/2018 12:00	13.8935
31/01/2018 13:00	13.072
31/01/2018 14:00	14.5894
31/01/2018 15:00	16.687
31/01/2018 16:00	16.7196
31/01/2018 17:00	15.7182
31/01/2018 18:00	15.0212
31/01/2018 19:00	12.1584
31/01/2018 20:00	12.7453
31/01/2018 21:00	16.2446
31/01/2018 22:00	17.2915
31/01/2018 23:00	17.5433
01/02/2018 00:00	15.3793
01/02/2018 01:00	14.9655
01/02/2018 02:00	15.3935
01/02/2018 03:00	17.7468
01/02/2018 04:00	17.6448