


| <div><div><div><div>Cálidda</div><div>GAS NATURAL DEL PERÚ</div></div></div><div><div>REPORTE DIARIO DE OPERACIÓN</div><div>Gerencia Técnica Área de Operaciones</div></div></div> | Fecha: 16/02/2013 | Hora: 06:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------|--|----------------|------------------------|-----------------------|----------------|-------------------------|-----------------------------|-------|--------|----------------------------------------------|-------|-------|---------------------|------------------------|-------|------|--|-----------------------------|-----------|-----------|-------|-------------------------------|-------|------|--|----------------------|-------|-------|------|----------------------------------------------|------|------|--|------------------------------------|-------|------|--|------------------------------------|-----------|----------|--|------------------------|------|------|--|------------------|-------|-------|------|----------------------------------------------|-------|------|--|-----------------------|-------|------|--|-----------------------------|-----------|----------|--|---------------------------------|-------|------|--|------------------------|------|------|--|-------------------------|-------|-------|--|--|
| 1. CITY GATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th rowspan="2">LOCACION</th><th colspan="3">PARAMETRO OPERATIVOS</th></tr><tr><th>Presión entrada (barg)</th><th>Presión salida (barg)</th><th>Caudal Sm3 / h</th></tr><tr><td>City Gate</td><td>100.17</td><td>49.07</td><td>248.42</td></tr><tr><td>Volumen entregado del día anterior (Mm3 std)</td><td colspan="3">7,190</td></tr></table> | | LOCACION | PARAMETRO OPERATIVOS | | | Presión entrada (barg) | Presión salida (barg) | Caudal Sm3 / h | City Gate | 100.17 | 49.07 | 248.42 | Volumen entregado del día anterior (Mm3 std) | 7,190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCACION | PARAMETRO OPERATIVOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Presión entrada (barg) | Presión salida (barg) | Caudal Sm3 / h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City Gate | 100.17 | 49.07 | 248.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volumen entregado del día anterior (Mm3 std) | 7,190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. GASODUCTO TRONCAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th rowspan="2">LOCACION</th><th colspan="2">PARAMETRO OPERATIVOS</th></tr><tr><th>Presión (barg)</th><th>Temperatura °C</th></tr><tr><td>Trampa de Lanzamiento</td><td>49.01</td><td>19.89</td></tr><tr><td>Cámara de Válvulas XV 10003</td><td>45.76</td><td>19.59</td></tr><tr><td>Cámara de Válvulas XV 10008</td><td>42.40</td><td>21.85</td></tr><tr><td>Trampa de Recepción</td><td>42.41</td><td>24.93</td></tr></table> | | LOCACION | PARAMETRO OPERATIVOS | | Presión (barg) | Temperatura °C | Trampa de Lanzamiento | 49.01 | 19.89 | Cámara de Válvulas XV 10003 | 45.76 | 19.59 | Cámara de Válvulas XV 10008 | 42.40 | 21.85 | Trampa de Recepción | 42.41 | 24.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCACION | PARAMETRO OPERATIVOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Presión (barg) | Temperatura °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trampa de Lanzamiento | 49.01 | 19.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cámara de Válvulas XV 10003 | 45.76 | 19.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cámara de Válvulas XV 10008 | 42.40 | 21.85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trampa de Recepción | 42.41 | 24.93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. ESTACIONES DE REGULACION Y PRESION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th rowspan="2">LOCACION</th><th colspan="3">PARAMETRO OPERATIVOS</th></tr><tr><th>Presión entrada (barg)</th><th>Presión salida (barg)</th><th>Caudal sm3 / h</th></tr><tr><td>ERP Maquinarias (50/19)</td><td>42.20</td><td>17.96</td><td>26,520</td></tr><tr><td>ERP Maquinarias (19/10)</td><td>17.96</td><td>9.22</td><td></td></tr><tr><td>ERP Maquinarias (19/5)</td><td>17.96</td><td>3.83</td><td></td></tr><tr><td>ERP El Agustino (50/10)</td><td>42.30</td><td>9.28</td><td>8,864</td></tr><tr><td>ERP Carretera Central (50/10)</td><td>42.99</td><td>8.95</td><td></td></tr><tr><td>ERP Gambetta (50/10)</td><td>42.38</td><td>9.18</td><td></td></tr><tr><td>ERP Gambetta (10/5) [1]</td><td>9.18</td><td>4.03</td><td></td></tr><tr><td>ERP Lurín (ERM San Lorenzo) (50/5)</td><td>48.96</td><td>3.09</td><td></td></tr><tr><td>ERP Funcal (ERM Corp. Cerámica 02)</td><td>42.46</td><td>4.02</td><td></td></tr><tr><td>ERP Omicrón (10/5) [2]</td><td>9.22</td><td>4.06</td><td></td></tr><tr><td>ERP Surco (50/5)</td><td>44.30</td><td>4.22</td><td></td></tr><tr><td>ERP Surco (50/10)</td><td>43.80</td><td>9.30</td><td></td></tr><tr><td>ERP R. Prialé (50/10)</td><td>42.49</td><td>8.69</td><td></td></tr><tr><td>ERP Pachacútec (50/10)</td><td>46.14</td><td>9.16</td><td></td></tr><tr><td>ERP Parques del Agustino (50/5)</td><td>41.87</td><td>4.02</td><td></td></tr><tr><td>ERP Mochica (10/5) [3]</td><td>9.28</td><td>3.95</td><td></td></tr><tr><td>ERP La Victoria (50/19)</td><td>43.33</td><td>17.97</td><td></td></tr></table> | | LOCACION | PARAMETRO OPERATIVOS | | | Presión entrada (barg) | Presión salida (barg) | Caudal sm3 / h | ERP Maquinarias (50/19) | 42.20 | 17.96 | 26,520 | ERP Maquinarias (19/10) | 17.96 | 9.22 | | ERP Maquinarias (19/5) | 17.96 | 3.83 | | ERP El Agustino (50/10) | 42.30 | 9.28 | 8,864 | ERP Carretera Central (50/10) | 42.99 | 8.95 | | ERP Gambetta (50/10) | 42.38 | 9.18 | | ERP Gambetta (10/5) [1] | 9.18 | 4.03 | | ERP Lurín (ERM San Lorenzo) (50/5) | 48.96 | 3.09 | | ERP Funcal (ERM Corp. Cerámica 02) | 42.46 | 4.02 | | ERP Omicrón (10/5) [2] | 9.22 | 4.06 | | ERP Surco (50/5) | 44.30 | 4.22 | | ERP Surco (50/10) | 43.80 | 9.30 | | ERP R. Prialé (50/10) | 42.49 | 8.69 | | ERP Pachacútec (50/10) | 46.14 | 9.16 | | ERP Parques del Agustino (50/5) | 41.87 | 4.02 | | ERP Mochica (10/5) [3] | 9.28 | 3.95 | | ERP La Victoria (50/19) | 43.33 | 17.97 | | |
| LOCACION | PARAMETRO OPERATIVOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Presión entrada (barg) | Presión salida (barg) | Caudal sm3 / h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Maquinarias (50/19) | 42.20 | 17.96 | 26,520 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Maquinarias (19/10) | 17.96 | 9.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Maquinarias (19/5) | 17.96 | 3.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP El Agustino (50/10) | 42.30 | 9.28 | 8,864 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Carretera Central (50/10) | 42.99 | 8.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Gambetta (50/10) | 42.38 | 9.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Gambetta (10/5) [1] | 9.18 | 4.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Lurín (ERM San Lorenzo) (50/5) | 48.96 | 3.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Funcal (ERM Corp. Cerámica 02) | 42.46 | 4.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Omicrón (10/5) [2] | 9.22 | 4.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Surco (50/5) | 44.30 | 4.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Surco (50/10) | 43.80 | 9.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP R. Prialé (50/10) | 42.49 | 8.69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Pachacútec (50/10) | 46.14 | 9.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Parques del Agustino (50/5) | 41.87 | 4.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP Mochica (10/5) [3] | 9.28 | 3.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERP La Victoria (50/19) | 43.33 | 17.97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [1] Presión Entrada: Salida ERP Gambetta 50/10. [2] Presión Entrada: Salida ERP Maquinarias 19/10. Presión Salida: Presión de seteo de la ERP. [3] Presión Entrada: Salida ERP El Agustino 50/10. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. ESTACION DE REGULACION Y MEDICION: ETEVENSA Y EDEGEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th rowspan="2">LOCACION</th><th colspan="3">PARAMETRO OPERATIVOS</th></tr><tr><th>Presión entrada (barg)</th><th>Presión salida (barg)</th><th>Caudal Sm3 / h</th></tr><tr><td>ERM Etevensa</td><td>41.47</td><td>27.30</td><td>57,632</td></tr><tr><td>Volumen entregado del día anterior (Mm3 std)</td><td colspan="3">1,710</td></tr><tr><td>(MMPC std)*</td><td colspan="3">60</td></tr><tr><td>Presión Diferencial Filtros</td><td>AB (mbar)</td><td>CD (mbar)</td><td></td></tr><tr><td></td><td>61.33</td><td>0.00</td><td></td></tr><tr><td>ERM Edegel</td><td>42.36</td><td>30.12</td><td>0.00</td></tr><tr><td>Volumen entregado del día anterior (Mm3 std)</td><td colspan="3">0</td></tr><tr><td>(MMPC std)*</td><td colspan="3">0</td></tr><tr><td>Presión Diferencial Filtros</td><td>AB (mbar)</td><td>B (mbar)</td><td></td></tr><tr><td></td><td>0.41</td><td>0.55</td><td></td></tr><tr><td>ERM Edegel 2</td><td>42.40</td><td>24.13</td><td>0.00</td></tr><tr><td>Volumen entregado del día anterior (Mm3 std)</td><td colspan="3">0</td></tr><tr><td>(MMPC std)*</td><td colspan="3">0</td></tr><tr><td>Presión Diferencial Filtros</td><td>AB (mbar)</td><td>B (mbar)</td><td></td></tr><tr><td></td><td>2.31</td><td>0.00</td><td></td></tr></table> | | LOCACION | PARAMETRO OPERATIVOS | | | Presión entrada (barg) | Presión salida (barg) | Caudal Sm3 / h | ERM Etevensa | 41.47 | 27.30 | 57,632 | Volumen entregado del día anterior (Mm3 std) | 1,710 | | | (MMPC std)* | 60 | | | Presión Diferencial Filtros | AB (mbar) | CD (mbar) | | | 61.33 | 0.00 | | ERM Edegel | 42.36 | 30.12 | 0.00 | Volumen entregado del día anterior (Mm3 std) | 0 | | | (MMPC std)* | 0 | | | Presión Diferencial Filtros | AB (mbar) | B (mbar) | | | 0.41 | 0.55 | | ERM Edegel 2 | 42.40 | 24.13 | 0.00 | Volumen entregado del día anterior (Mm3 std) | 0 | | | (MMPC std)* | 0 | | | Presión Diferencial Filtros | AB (mbar) | B (mbar) | | | 2.31 | 0.00 | | | | | | | | | | |
| LOCACION | PARAMETRO OPERATIVOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Presión entrada (barg) | Presión salida (barg) | Caudal Sm3 / h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERM Etevensa | 41.47 | 27.30 | 57,632 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volumen entregado del día anterior (Mm3 std) | 1,710 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (MMPC std)* | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presión Diferencial Filtros | AB (mbar) | CD (mbar) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 61.33 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERM Edegel | 42.36 | 30.12 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volumen entregado del día anterior (Mm3 std) | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (MMPC std)* | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presión Diferencial Filtros | AB (mbar) | B (mbar) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.41 | 0.55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERM Edegel 2 | 42.40 | 24.13 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volumen entregado del día anterior (Mm3 std) | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (MMPC std)* | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presión Diferencial Filtros | AB (mbar) | B (mbar) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.31 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. EVENTOS OPERATIVOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> <div></div> <div></div> <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>Nota: Los datos suministrados son operativos</div> | <div>Elaboración - Cálidda</div> <div>Firma:</div> <div>Nombre: E. Beretta</div> | <div>Revisión - Cálidda</div> <div>Firma:</div> <div>Nombre:</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-OPE-007_V2 | Fecha de Vigencia:07/12/2011 | Página 1 de 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Nota: Los datos suministrados son operativos.
(*) Calculado por OSINERGMIN