US Lower 48

The US Lower 48 business comprises BP’s onshore oil and gas operations in the ‘Lower 48’ states of the US. The business has significant activities producing natural gas, NGLs and condensate across seven states, including production from unconventional gas, coalbed methane (CBM) and shale gas assets.

<table>
<thead>
<tr>
<th>Production (net of royalties)</th>
<th>Third quarter 2018</th>
<th>Second quarter 2018</th>
<th>Third quarter 2017</th>
<th>Nine months 2018</th>
<th>Nine months 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquids* (mb/d)(a)</td>
<td>42</td>
<td>42</td>
<td>44</td>
<td>43</td>
<td>43</td>
</tr>
<tr>
<td>Natural gas (mmcf/d)</td>
<td>1,614</td>
<td>1,563</td>
<td>1,512</td>
<td>1,588</td>
<td>1,431</td>
</tr>
<tr>
<td>Total hydrocarbons(b) (mbboe/d)</td>
<td>321</td>
<td>312</td>
<td>304</td>
<td>316</td>
<td>290</td>
</tr>
</tbody>
</table>

Average realizations

<table>
<thead>
<tr>
<th></th>
<th>Third quarter 2018</th>
<th>Second quarter 2018</th>
<th>Third quarter 2017</th>
<th>Nine months 2018</th>
<th>Nine months 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total liquids ($/bbl)</td>
<td>38.80</td>
<td>35.33</td>
<td>27.37</td>
<td>35.53</td>
<td>27.47</td>
</tr>
<tr>
<td>Natural gas ($/mcf)</td>
<td>2.22</td>
<td>1.97</td>
<td>2.35</td>
<td>2.14</td>
<td>2.41</td>
</tr>
<tr>
<td>Total hydrocarbons ($/boe)</td>
<td>16.28</td>
<td>14.68</td>
<td>15.60</td>
<td>15.54</td>
<td>15.98</td>
</tr>
</tbody>
</table>

Production costs per boe (excluding rationalization costs)(c)

<table>
<thead>
<tr>
<th></th>
<th>Third quarter 2018</th>
<th>Second quarter 2018</th>
<th>Third quarter 2017</th>
<th>Nine months 2018</th>
<th>Nine months 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6.55</td>
<td>6.52</td>
<td>7.04</td>
<td>6.72</td>
<td>7.19</td>
</tr>
</tbody>
</table>

Capital expenditure ($ million)

<table>
<thead>
<tr>
<th></th>
<th>Third quarter 2018</th>
<th>Second quarter 2018</th>
<th>Third quarter 2017</th>
<th>Nine months 2018</th>
<th>Nine months 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>215</td>
<td>309</td>
<td>241</td>
<td>788</td>
<td>625</td>
</tr>
</tbody>
</table>

Estimated net proved reserves at 31 December 2017

<table>
<thead>
<tr>
<th></th>
<th>Developed</th>
<th>Undeveloped</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude oil(d) (million barrels)</td>
<td>22</td>
<td>20</td>
<td>41</td>
</tr>
<tr>
<td>Natural gas liquids (million barrels)</td>
<td>93</td>
<td>49</td>
<td>142</td>
</tr>
<tr>
<td>Natural gas (billion cubic feet)</td>
<td>3,953</td>
<td>2,880</td>
<td>6,832</td>
</tr>
</tbody>
</table>

Total net proved reserves on an oil equivalent basis (million barrels of oil equivalent)

<table>
<thead>
<tr>
<th></th>
<th>Third quarter 2018</th>
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<th>Third quarter 2017</th>
<th>Nine months 2018</th>
<th>Nine months 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>796</td>
<td>565</td>
<td>1,361</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) Liquids comprise crude oil, condensate and natural gas liquids.
(b) Hydrocarbons comprise liquids and natural gas. Natural gas is converted to oil equivalent at 5.8 billion cubic feet = 1 million barrels.
(c) Production costs do not include depreciation, depletion and amortisation, ad valorem and severance taxes and certain other costs.
(d) Crude oil includes condensate.