BP in Oman – history

1920
1930
1980
1990
2000
2010
2016
2017
2018

1927
D’Arcy
2 year licence

1937
BP 23.75% interest in Petroleum Development Oman and Dhofar

1980
BP, AMOCO & ARCO Exploration blocks

PDO
Khazzan
discovery

2007
Block 61
EPSA

2013
Khazzan
Ph1 FID

2016
Block 61
Extension

2018
Ghazeer
(Khazzan Ph2)
FID

2017
Khazzan
first gas
Largest tight gas development in Middle East

Block 61 interest

<table>
<thead>
<tr>
<th>Company</th>
<th>Interest</th>
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<tbody>
<tr>
<td>BP</td>
<td>60%</td>
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<tr>
<td>OOCEP¹</td>
<td>30%</td>
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<tr>
<td>PETRONAS²</td>
<td>10%</td>
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</table>

Khazzan and Ghazeer fields combined 2,550km²

**Phase 1 Khazzan**
- 1bcfd, 25mboed condensate

**Phase 2 Ghazeer plan**
- First gas 2021
- 0.5bcfd gas
- 30mboed condensate

- 13,500 construction workforce at peak
- 300 operations staff
- 650 employees
  - >75% Omani
- $1.3bn local content
- Khazzan produces 25% of Oman supply, meeting domestic demand and enabling export at full LNG capacity

(1) Oman Oil Company Exploration & Production
(2) Subject to completion
Khazzan project progress and plan

Expected recoverable gas
gross tcf
- Khazzan
- Ghazeer

<table>
<thead>
<tr>
<th>Phase</th>
<th>Khazzan</th>
<th>Ghazeer</th>
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<tbody>
<tr>
<td>Phase 1</td>
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<tr>
<td>Phase 1&amp;2</td>
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Development capital
gross $bn
- Khazzan
- Ghazeer

<table>
<thead>
<tr>
<th>Phase</th>
<th>Khazzan</th>
<th>Ghazeer</th>
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<tbody>
<tr>
<td>Phase 1</td>
<td>~16</td>
<td></td>
</tr>
<tr>
<td>Phase 1&amp;2</td>
<td>~16</td>
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Well count
- Khazzan
- Ghazeer

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<tr>
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<th>Ghazeer</th>
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<tbody>
<tr>
<td>Phase 1</td>
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<td></td>
</tr>
<tr>
<td>Phase 1&amp;2</td>
<td>~300</td>
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Development cost
$/boe

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<th>Khazzan</th>
<th>Ghazeer</th>
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<td>12</td>
<td></td>
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<tr>
<td>Phase 1&amp;2</td>
<td>8</td>
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</table>

2018 highlights:
- ADIPEC Awards – Digital transformation project of the year
- Eleven rigs to four
- Top quartile vertical well cost
- ~30% higher rate per well
- 95% operating efficiency
- ~$3.0/boe production cost
- Plant test >1.25bcfd

Optimisation examples:
- Planning: SIRAAJ
- Production: APEX/ARGUS
- Well design/execution: fracture imaging, auto-ROP\(^1\)

\(^{1}\) ROP – rate of penetration
Project progress – Khazzan Phase 2 (Ghazeer)

- 3rd gas train and 2nd condensate train
- New gas export pipeline
- ~7% ahead of plan
- First gas expected in 2021

- Strong safety performance and culture
- Copy and clone to drive simplicity with lessons learned
- 100 wells
Beyond 2020 – future growth

Block 61

- Increase recovery beyond 10.5tcf
- Get close to 2bcfd with a 1.5bcfd plant
- Maximise condensate production

Downstream

- Gas market development options including acetic acid

Exploration

- Discussions with government ongoing