Long distance tieback opportunities

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Key messages:

- Numerous fields
- Numerous production wells and manifolds
- Variety of gas compositions
- Candidates for LDTB technologies

Long distance tieback opportunities
Chevron operated Carnavon Basin

OGIP (BCF)

- >5001
- 501-1000
- <500

Water depth (m)

- >1001
- 501-1000
- <500

Gorgon step out (km)

- >101
- 51-100
- <50

Jansz step out (km)

- >101
- 51-100
- <50

- +77km Gorgon to BWI
- +145km Jansz to BWI

Distribution by fields
Long distance tieback opportunities
South Australia and New Zealand blocks

Key messages:
• Development prospects currently unknown
• Significant distance from shore (200km to 400km)
• Range of water depths, (max 2,500m)
• Challenging metocean conditions
• Possible candidates for LDTB technologies
Long distance tieback opportunities
Indonesia blocks

Key messages:
• Number of producing assets in the region
• Bangka brought on line in 2016
• Significant distance from shore (~100km)
• Water depth similar to North West Shelf (max 1,600m)
• Candidates for LDTB technologies
Long distance tieback opportunities
Team vision

20% increase in recovery and 25% reduction of Development Cost by developing long distance tieback technologies that can be applied on any of the tieback candidates within 300km of existing infrastructure

- Norwegian operators and vendors have pioneered technology appropriate to Chevron’s portfolio.
- Requirements will challenge current capabilities in long distance tiebacks.
- Chevron has experience in some elements.
- ABU will need to leverage this experience.
- Long distance tieback initiative will seek strategic alliances and targeted studies in the near to medium term;
  - Joint technology development,
  - Qualification in conjunction with other operators,
  - Research with local universities,
  - JIPs.
Long distance tieback opportunities
Strategic themes

- reduce copper cores
  - DCFO
- eliminate HP hydraulics
  - eSCSSV
- eliminate hydraulics
  - AE control

reduce chemical flowlines
LDHI
RBI
power
boost
store
buoy
eliminate chemical flowlines
eliminate umbilicals

reduce copper cores
DCFO

eliminate HP hydraulics
eSCSSV
AE control

reduce chemical flowlines
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RBI
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eliminate umbilicals

increase recovery
compression

separate water
power
boost
separate

alginates
manage water-cut / scaling

recovery ↑20%
cost ↓25%

power boost inject
eliminate water

reduce chemical flowlines
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buoy
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eliminate umbilicals

reduce copper cores
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