

Shell Brent Field Wells P&A success story



Oil & Gas Authority

Significant reduction in time and costs

- Brent Delta's 40 well P&A campaign Q4 2008 –completed Q2 2014. Completed 37 well P&A campaign on Brent Bravo 12 months ahead of schedule. Over 50% of Brent Alpha wells P&A by Q4 2017 – anticipated to complete 24 months ahead of original 2015 schedule. Brent Charlie – 4th well abandonment completed in 8.4 days.

Achievement based on:

- Competitive scoping – full transparency of costs and value; design and technical specification aimed at assuring acceptable performance
- Affordable Technology and Innovation required to overcome challenge of complexity, age, and nature of the Brent Field wells (154 in total)
- Optimal barrier selection through in-depth subsurface analysis
- Efficient execution – well monitoring pre and post P&A; integrated planning; upfront well P&L
- Collaboration with other operators via P&A Forum
- Supply chain transformation - collaboration with supply chain partners; integrated 2 contracts model –drilling contractor and Integrated Service Provider; multi-skilling and reducing POB, team building, accurate demand forecast, continuous improvement, recognition.



OGA Decom Team comments

This performance review supports messages from industry that delivering the cost reduction target is achievable through:

1. Collaboration with other Operators and implemented lessons learned
2. Challenging the norm and current work practices
3. Working together closely with the supply chain and adapting transformational models
4. Adapting available technology in an innovative way
5. Integrated planning

Key facts

- Brent Bravo campaign (Q1 2011-Q1 2017) Average rig days – 45; best 16 days;
- Brent Alpha campaign (Q4 2016 – Ongoing) Average rig days 23; best 8 days
- Brent Field P&A campaign achieved a year on year cost reduction relative to 2014 of over 50% by 2017

