

SPE Aberdeen Well Decommissioning Qualification and Verification – Past, Present and Future

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Identifying value potential – Reducing removal costs by at least 35% from current norms





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Wells Insight Report

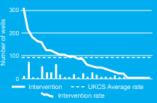


Key Insights

from existing wells



Well integrity and water production issues account for 62% of shut-ins



Intervention rates are too low:

8%

14%

surveillance rate intervention rate

OGA will -

Develop a new Wells Strategy to support industry

Establish a new Asset Stewardship

Publish a report detailing Wells lessons learned

Well abandonment

240 open water suspended E&A wells

Average age of 27 years, raising the issue of

All require to be permanently abandoned

12 operators hold 70% of the wells

Further 28 operators hold the remaining 30%



Suspended E&A wells by area

Over 150 wells per year expected to be P&A'd

More wells being

OGA work with industry to promote

on drilling

Significant resource potential remaining

cline:

fallen 50%



..with non-productive time (NPT) making up >15% of cost

le/ver MER UK:

Improve



Huge value

In 2017

Safeguarded 21 million interventions

production (by improving underperforming wells and/ or reactivating shut in wells)

But...

33 million boe were not well losses



Around 600 wells **shut in** with significant 30% of existing active well stock



Oil & Gas **Authority**



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	UKCS Wells Data*					
Well Status	Exploration	Appraisal	Dev Platform	Dev Subsea	Combined Development	Totals
Operating			1056	622	2128	2128
Shut-in			386	310	696	696
Plugged			224	43	267	267
AB1 & AB2	239				409	648
AB3	2345	1145			645	4135
Totals	2486	1373			4015	7874





* Source OGA Wells Insight Report 2018



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NST Forum

NSTF Steering Group



MER UK Wells Task Force



Right Scoping
Group
Ian Ferguson
Shell



Waste Removal Group Claus Vissing-Jorgensen Total



Improved Partnerships Group

Martin White Halliburton

Pete Wilson Valaris



Reservoir and Wells Optimisation Group Doris Reiter



Decommissioning Group

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Wells Decommissioning Challenges

- Rethinking P&A Risk management
- Benchmarking current methods
- Enabling new approaches/technologies
- Demonstrating efficiencies

Opportunity

- Collaboration / knowledge sharing
- Reshaping guidance (introduce standardisation)
- Redefine contractual relationships
- Promoting change

Benefits

- Develop fit for purpose techniques
- Lower removal costs
- Stimulate activity







Objectives

- Assist in the development of a Technology Roadmap
- Support development of revised or new
 Guidance
 - Management of plugged and suspended wells
 - Well Decommissioning
 - Future use CCS suitable reservoirs.
- Support cross industry optimisation of Well decommissioning activity on the UKCS.
- Develop an improving understanding of 'well removal' environmental impact.







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Thank you

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