

IOR AND EOR SCREENING: DONG ENERGY



→ “SLR produced a comprehensive inventory of opportunities and associated plans for realising enhanced value”



CLIENT

Client: DONG Energy
Location: Danish North Sea
Country: Denmark



VALUE ADDED

Resulted in a high grade set of IOR/EOR opportunities
Made recommendations to progress IOR/EOR options
Raised awareness of IO/EOR inline with business strategy



SERVICES

Asset Overview
Prepared screening study report
Identifying existing expertise within the organisation

OVERVIEW

DONG Energy (DONG) wished to understand the potential increased recovery from its portfolio of clastic and carbonate oil fields in the Danish North Sea by applying improved oil recovery (IOR) and enhanced oil recovery (EOR) technologies.

SLR worked alongside the asset teams to manage and facilitate a comprehensive initial screening of applicable IOR and EOR options.

OUR ROLE

To conduct a review of applicable technologies and techniques for improving recovery with reference to the specific characteristics of the target reservoirs.

SLR facilitated workshops with asset teams to:

- Improve familiarity of asset team members with IOR / EOR methods through short course training
- Capture opportunities already identified within the asset teams
- Jointly identify opportunities for improved recovery, considering stakeholder perception, risk aversion and commercial factors
- Assessed and quantified the feasibility and potential benefits of the identified opportunities and examined the blockers and enablers of effective implementation
- Screened key reservoir rock /

fluid properties against well established criteria for application of IOR / EOR techniques

- Prepared a screening study report with key findings, including an action plan for the asset teams and management

CLIENT BENEFITS

The project resulted in a high graded set of IOR /EOR opportunities. SLR made recommendations on further work to progress the opportunities and drew up an inventory of IOR / EOR options which represented reasonably “easy wins” for asset teams to deliver.

Recommendations were made for simplifying asset re-development and portfolio management making IOR / EOR easier to deliver.



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