

IRIS

Att. Anna Aabø

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Letter of Intent from NTNU regarding participation in Centre for Drilling and Wells for Improved Recovery – DWR

NTNU is a partner in the Application for Centre for Research-based Innovation (SFI) for Drilling and Wells for improved Recovery (DWR) submitted to the Research Council of Norway (NFR).

In average, approximately more than 50% of the oil is left in the reservoir. On the Norwegian Continental Shelf, 1% increases in the recovery rate from existing flowing wells represent a net value in the order of 150 BNOK. The number of subsea completed wells is increased compared to platform completed wells. The recovery from subsea wells is typically 10 – 15% lower compared to platform completed wells. The main reason is the high subsea drilling and well intervention costs. So, the area of drilling and well technologies for improved recovery is a very important priority area with significant upside potentials and of strong academic and commercial interest.

The planned research program is designed to address critical challenges in three research areas: Efficient Drilling Processes, Drilling Solutions for Increased Recovery, and Well Solutions for Increased Recovery.

The main participating department at NTNU is the Department of Petroleum Engineering and Applied Geophysics (IPT). It has four main research disciplines (Drilling, Production, Reservoir Engineering and Applied Geophysics). The cross multi-disciplinary tasks within the new research program will involve all the research disciplines at IPT. In addition, other NTNU departments (Marine Engineering, Mechanical Engineering, Electrical Engineering) may participate in the multi-disciplinary research tasks.

The Centre for Research-based Innovation (SFI) for Drilling and Wells for improved Recovery (DWR) will contain significant opportunities for cooperation between universities, R&D institutes and the oil and gas industry and create considerable value for the society. The applicants behind the new research program include the main players (and competitors) for petroleum research and petroleum education in Norway. Access to laboratory facilities in Trondheim (NTNU and Sintef)

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All korrespondanse som inngår i saksbehandling skal adresseres til saksbehandlerne ved NTNU og ikke direkte til enkeltpersoner. Ved henvendelse vennligst oppgi referanse.

and Stavanger (Ullrigg) opens up for extended research and education for people to the petroleum industry.

This research initiative is considered unique, and will strengthen the opportunity to achieve the short term and long term goals defined by the program. The result of our research effort will be shared and contribute to improving society at large, along with supporting sustainable value creation in business.

We confirm that NTNU plans to invest own resources in the centre in the form of establishment and use of laboratories, strategic funding of research, and academic personnel. This will be achieved according to the cost and investment schedules described in the CRI proposal.

Yours Sincerely,



Torbjørn Digernes