



**International Research Institute of Stavanger**

P.O. Box 8046

4068 Stavanger, Norway

Telephone: (+47) 51 87 50 00

**Fax number: (+47) 51 87 52 00**

**From:** *Ingebret Fjelde*

**Date:** *6 October 2006*

**To:** *Svein Skjæveland, UiS*

### **Proposed subject for thesis on *Low salinity water flooding***

Injection of low salinity water has in the literature been reported to increase the oil recovery in some sandstone reservoirs.

#### **Proposed subject:**

##### *Recovery mechanisms*

Important recovery mechanisms in low salinity water flooding of sandstone reservoirs will be described based on information in the literature.

Experiments will be carried out to establish new knowledge about the mechanisms.

The potential for low salinity water flooding and reservoir processes initiating similar recovery mechanisms will be evaluated for oil fields on the Norwegian Continental Shelf.

One student can work on this subject.